

Process Mining Market by Offering (Software (Process Discovery Tools, Conformance Checking Tools), Services), Mining Algorithm (Deep Learning, Sequence Analysis), Data Source (ERP Systems, CRM Systems), Vertical and Region - Global Forecast to 2028

<https://marketpublishers.com/r/P9E442F53A7CEN.html>

Date: October 2023

Pages: 541

Price: US\$ 4,950.00 (Single User License)

ID: P9E442F53A7CEN

Abstracts

The process mining market is projected to grow from USD 1.8 billion in 2023 to USD 12.1 billion by 2028, at a compound annual growth rate (CAGR) of 45.6% during the forecast period. The growth of the process mining market is primarily driven by escalating intricacies within operational workflows, surging integration of digital advancements and increasing demand for enhanced process transparency and governance.

“By offering, services segment is expected to register the fastest market growth rate during the forecast period”

The services market is poised for robust growth, primarily fueled by the need for specialized expertise and tailored solutions within the process mining market. As businesses navigate increasingly intricate processes and seek to extract maximum value from their operational data, the need for adept service providers offering customized implementations, training, and ongoing support becomes imperative. This surge in demand for service-centric offerings stems from the recognition that proficient guidance enhances the efficacy of process mining tools, ensuring optimal utilization and delivering sustained value throughout the forecast period.

“By data source, enterprise resource planning (ERP) systems segment is expected to

account for the largest market share during the forecast period”

Enterprise resource planning (ERP) systems segment is set to dominate the process mining market. Primarily, ERP systems serve as comprehensive platforms that consolidate diverse business processes, making them a primary data source for process mining. The widespread adoption of ERP systems across various industries positions them as a central hub for critical operational data. Moreover, the increasing recognition of the strategic value derived from integrating process mining with ERP systems enhances their significance in the market. Businesses are increasingly leveraging process mining to gain actionable insights into their ERP-driven workflows, enabling them to optimize processes, identify bottlenecks, and enhance overall operational efficiency.

“By Region, North America is slated to grow at the fastest rate and Europe to have the largest market share during the forecast period”

North America to attain the highest growth rate in the process mining market due to the region's robust embrace of cutting-edge technologies and digital transformation initiatives. With a dynamic business landscape and a strong focus on innovation, North American enterprises are keenly investing in process mining solutions to optimize their intricate business processes. Europe is poised to dominate the regional segment of the process mining market. The region has been at the forefront of embracing and implementing advanced technologies, leading to a robust digital infrastructure. Stringent regulatory frameworks in Europe, particularly regarding data privacy and compliance, have fueled the adoption of process mining tools.

Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), vice presidents, innovation and technology directors, system integrators, and executives from various key organizations operating in the Process mining market.

By Company: Tier I–25%, Tier II–55%, and Tier III–20%

By Designation: C-Level Executives–35%, D-Level Executives–45%, and Managers–20%

By Region: North America– 35%, Europe – 30%, Asia Pacific– 20% and Middle East Africa- 9%, Latin america-6%

The report includes the study of key players offering process mining software and services. The major players in the process mining market include IBM (US), ABBYY (US), Celonis (US), UiPath (US), Software AG (Germany), SAP Signavio (Germany), QPR Software (Finland), Microsoft (US), Appian (US), Pegasystems (US), Mehrwerk (Germany), Kofax (US), Soroco (US), iGrafx (US), Nintex (US), Automation Anywhere (US), Hyland Software (US), Fluxicon (Netherlands), Datapolis (Poland), Apromore (Australia), BusinessOptix (US), StereoLOGIC (Canada), Worksoft (US), Inverbis Analytics (Spain), Skan.ai (US), Mindzie (US), Cyclone Robotics (China), Upflux (Brazil), Puzzledata Inc. (South Korea), Kyp.ai (Germany), Workfellow (Finland).

Research coverage

This research report categorizes the process mining market by Offering (Software and Services), by Mining Algorithms (Discovery Algorithms, Conformance Checking Algorithms, Enhancement & Extension Algorithms, Clustering & Classification Algorithms, Sequence Analysis Algorithms, Deep Learning Algorithms, Temporal Process Mining Algorithms and Others), by Data Source (Enterprise Resource Planning (ERP) Systems, Customer Relationship Management (CRM) Systems, IoT Devices & Sensors, Custom Applications & Databases, Workflow & BPM Systems, Document Management Systems, Supply Chain & Logistics Data, Financial Systems Data and Other Data Sources), by Vertical (BFSI, Manufacturing, IT & ITeS, Healthcare & Life Sciences, Retail & eCommerce, Energy & Utilities, Transportation & Logistics, Government & Defense, Education and Other Verticals), and by region (North America, Europe, Asia Pacific, Middle East & Africa, and Latin America). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the process mining market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; contracts, partnerships, agreements, new product & service launches, mergers and acquisitions, and recent developments associated with the process mining market. Competitive analysis of upcoming startups in the process mining market ecosystem is covered in this report.

Key Benefits of Buying the Report

The report would provide the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall process mining market and its subsegments. It would help stakeholders understand the

competitive landscape and gain more insights better to position their business and plan suitable go-to-market strategies. It also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (increasing complexity of business processes, rising adoption of digital transformation, growing need for process visibility and control), restraints (lack of awareness and understanding, data security and privacy concerns, data quality and availability issues), opportunities (AI and ML integration, rising demand for cloud based solutions, increasing focus on sustainability), and challenges (integration with other technologies, need for improving the usability of process mining tools, interpreting complex insights).

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the process mining market

Market Development: Comprehensive information about lucrative markets – the report analyses the process mining market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the process mining market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like include IBM (US), ABBYY (US), Celonis (US), UiPath (US), Software AG (Germany), SAP Signavio (Germany), QPR Software (Finland), Microsoft (US), Appian (US) and Pegasystems (US), among others in the process mining market strategies. The report also helps stakeholders understand the pulse of the process mining market and provides them information on key market drivers, restraints, challenges, and opportunities.

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKET SEGMENTATION

TABLE 1 PROCESS MINING MARKET: DETAILED SEGMENTATION

1.3.2 INCLUSIONS & EXCLUSIONS

1.3.3 REGIONS COVERED

1.4 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

TABLE 2 USD EXCHANGE RATES, 2018–2022

1.6 STAKEHOLDERS

1.7 IMPACT OF RECESSION

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.2 PRIMARY DATA

TABLE 3 PRIMARY INTERVIEWS

2.1.2.1 Breakup of primary profiles

2.1.2.2 Key industry insights

2.2 MARKET BREAKUP AND DATA TRIANGULATION

FIGURE 2 DATA TRIANGULATION

2.3 MARKET SIZE ESTIMATION

FIGURE 3 PROCESS MINING MARKET: TOP-DOWN AND BOTTOM-UP APPROACHES

2.3.1 TOP-DOWN APPROACH

2.3.2 BOTTOM-UP APPROACH

FIGURE 4 APPROACH 1 (SUPPLY-SIDE): REVENUE FROM SOLUTIONS/SERVICES OF PROCESS MINING VENDORS

FIGURE 5 APPROACH 2, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE FROM ALL SOFTWARE AND SERVICES OF PROCESS MINING VENDORS

FIGURE 6 APPROACH 3, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE FROM ALL SOFTWARE AND SERVICES OF PROCESS MINING VENDORS

FIGURE 7 APPROACH 4, BOTTOM-UP (DEMAND-SIDE): SHARE OF PROCESS MINING IN OVERALL INFORMATION TECHNOLOGY SPENDING

2.4 MARKET FORECAST

TABLE 4 FACTOR ANALYSIS

2.5 RESEARCH ASSUMPTIONS

2.6 LIMITATIONS AND RISK ASSESSMENT

2.7 IMPACT OF RECESSION ON PROCESS MINING MARKET

TABLE 5 IMPACT OF RECESSION ON GLOBAL PROCESS MINING MARKET

3 EXECUTIVE SUMMARY

TABLE 6 GLOBAL PROCESS MINING MARKET SIZE AND GROWTH RATE, 2018–2022 (USD MILLION, Y-O-Y %)

TABLE 7 GLOBAL PROCESS MINING MARKET SIZE AND GROWTH RATE, 2023–2028 (USD MILLION, Y-O-Y %)

FIGURE 8 SOFTWARE SEGMENT TO ACCOUNT FOR LARGER MARKET IN 2023

FIGURE 9 INTEGRATION & COLLABORATION TOOLS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

FIGURE 10 PROFESSIONAL SERVICES TO DOMINATE MARKET IN 2023

FIGURE 11 TRAINING & CONSULTING SERVICES SEGMENT TO ACCOUNT FOR LARGER SHARE IN 2023

FIGURE 12 DISCOVERY ALGORITHMS SEGMENT TO ACCOUNT FOR LARGEST MARKET IN 2023

FIGURE 13 ERP SYSTEMS SEGMENT TO LEAD MARKET IN 2023

FIGURE 14 MANUFACTURING SEGMENT TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD

FIGURE 15 EUROPE TO ACCOUNT FOR LARGEST SHARE DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN PROCESS MINING MARKET

FIGURE 16 INCREASING NEED TO AUGMENT CONTINUOUS PROCESS IMPROVEMENT AND AGILITY TO DRIVE MARKET

4.2 PROCESS MINING MARKET: KEY MINING ALGORITHMS

FIGURE 17 DEEP LEARNING ALGORITHMS SEGMENT TO RECORD HIGHEST GROWTH DURING FORECAST PERIOD

4.3 EUROPE: PROCESS MINING MARKET, BY OFFERING AND KEY VERTICAL

FIGURE 18 SOFTWARE AND BFSI SEGMENTS TO ACCOUNT FOR SIGNIFICANT

SHARE IN 2023

4.4 PROCESS MINING MARKET: REGIONAL ANALYSIS

FIGURE 19 EUROPE TO ACCOUNT FOR LARGEST SHARE IN 2023

5 MARKET OVERVIEW AND INDUSTRY TRENDS

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 20 PROCESS MINING MARKET: DRIVERS, RESTRAINTS,
OPPORTUNITIES, AND CHALLENGES

5.2.1 DRIVERS

5.2.1.1 Increasing complexity of business processes

5.2.1.2 Rising digital transformation

5.2.1.3 Growing need for process visibility and control

5.2.2 RESTRAINTS

5.2.2.1 Lack of awareness and understanding among potential users

5.2.2.2 Data security and privacy concerns

5.2.2.3 Data quality and availability issues

5.2.3 OPPORTUNITIES

5.2.3.1 Artificial intelligence and machine learning integration

5.2.3.2 Rising demand for cloud-based solutions

5.2.3.3 Increasing focus on sustainability

5.2.4 CHALLENGES

5.2.4.1 Use of legacy systems and integration with other technologies

5.2.4.2 Data complexity

5.2.4.3 Diverse data sources and intricate process interdependencies

5.3 EVOLUTION OF PROCESS MINING

FIGURE 21 EVOLUTION OF PROCESS MINING

5.4 VALUE CHAIN ANALYSIS

FIGURE 22 VALUE CHAIN ANALYSIS

TABLE 8 ROLE OF PLAYERS IN VALUE CHAIN

5.5 ECOSYSTEM ANALYSIS

TABLE 9 ROLE OF PLAYERS IN MARKET ECOSYSTEM

FIGURE 23 ECOSYSTEM MAP

5.5.1 PROCESS MINING MARKET: SOFTWARE PROVIDERS

5.5.2 PROCESS MINING MARKET: SERVICE PROVIDERS

5.5.3 PROCESS MINING MARKET: DATA PROVIDERS

5.5.4 PROCESS MINING MARKET: SYSTEM INTEGRATORS

5.5.5 PROCESS MINING MARKET: END USERS

5.5.6 PROCESS MINING MARKET: REGULATORY BODIES

5.6 PROCESS MINING ARCHITECTURE

FIGURE 24 PROCESS MINING ARCHITECTURE

5.6.1 INFORMATION SYSTEMS

5.6.2 EVENT LOG DATA PRE-PROCESSING

5.6.3 PROCESS MAP CREATION

5.6.4 INSIGHT GENERATION

5.7 BEST PRACTICES IN PROCESS MINING MARKET

TABLE 10 BEST PRACTICES IN PROCESS MINING MARKET

5.8 CASE STUDY ANALYSIS

5.8.1 HEALTHCARE & LIFE SCIENCES

5.8.1.1 Johnson & Johnson adopted Celonis' process mining and value chain technologies to deliver practical, day-to-day solutions

5.8.2 ENERGY & UTILITIES

5.8.2.1 eRegio implemented Signavio's Business Transformation Suite to identify process bottlenecks and inefficiencies

5.8.3 GOVERNMENT & DEFENSE

5.8.3.1 US State Government leveraged IBM's process mining solutions to streamline procurement processes

5.8.4 MANUFACTURING

5.8.4.1 Hitachi partnered with Automation Anywhere to streamline business processes and enhance employee efficiency

5.8.5 BFSI

5.8.5.1 Isbank deployed UiPath Process Mining to discover pockets of value within its processes and provide impactful recommendations to businesses

5.8.6 EDUCATION

5.8.6.1 Munich University of Applied Sciences implemented iGrafx's solutions to optimize process landscape

5.9 TECHNOLOGY ANALYSIS

5.9.1 KEY TECHNOLOGIES

5.9.1.1 Artificial Intelligence (AI) and Machine Learning (ML)

5.9.1.2 Robotic Process Automation (RPA)

5.9.1.3 Cloud Computing

5.9.1.4 IoT

5.9.1.5 Big Data Analytics

5.9.2 ADJACENT TECHNOLOGIES

5.9.2.1 Natural Language Processing (NLP)

5.9.2.2 Decision Support System (DSS)

5.9.2.3 Data Streaming and Real-time Analytics

5.9.3 COMPLIMENTARY TECHNOLOGIES

5.9.3.1 Data Warehousing

5.9.3.2 Data Governance

5.9.3.3 Encryption and Cybersecurity

5.9.3.4 APIs

5.10 TARIFF AND REGULATORY LANDSCAPE

5.10.1 PROCESS MINING SOFTWARE TARIFF

TABLE 11 PROCESS MINING SOFTWARE TARIFF, BY COUNTRY, 2022

5.10.2 REGULATORY LANDSCAPE

5.10.2.1 Regulatory bodies, government agencies, and other organizations

TABLE 12 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 13 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 MIDDLE EAST & AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 16 LATIN AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

5.10.2.2 North America

5.10.2.2.1 Data Privacy Compliance (DPC) Act

5.10.2.2.2 California Consumer Privacy Act (CCPA)

5.10.2.2.3 Personal Information Protection and Electronic Documents Act (PIPEDA)

5.10.2.3 Europe

5.10.2.3.1 General Data Protection Regulation (GDPR)

5.10.2.3.2 Commission nationale de l'informatique et des libertes (France)

5.10.2.3.3 Autoriteit Persoonsgegevens (Netherlands)

5.10.2.3.4 Data Protection Act (Germany)

5.10.2.4 Asia Pacific

5.10.2.4.1 Personal Data Protection Act (PDPA)

5.10.2.4.2 Personal Information Protection Act (PIPA)

5.10.2.4.3 Personal Data Protection Bill (PDPB)

5.10.2.5 Middle East & Africa

5.10.2.5.1 Protection of Personal Information Act (POPIA)

5.10.2.5.2 Data Protection Law (DPL)

5.10.2.5.3 DIFC Data Protection Law - Dubai International Financial Centre

5.10.2.6 Latin America

5.10.2.6.1 Lei Geral de Protecao de Dados (LGPD)

5.10.2.6.2 Ley Federal de Proteccion de Datos Personales en Posesion de los Particulares (LFPDPPP)

5.10.2.6.3 Ley de Proteccion de Datos Personales (LPDP)

5.11 PATENT ANALYSIS

5.11.1 METHODOLOGY

5.11.2 PATENTS FILED, BY DOCUMENT TYPE, 2013–2023

TABLE 17 PATENTS FILED, 2013–2023

5.11.3 INNOVATION AND PATENT APPLICATIONS

FIGURE 25 TOTAL NUMBER OF PATENTS GRANTED, 2013–2023

5.11.3.1 Top applicants

FIGURE 26 TOP TEN COMPANIES WITH HIGHEST NUMBER OF PATENT APPLICATIONS, 2013–2023

FIGURE 27 REGIONAL ANALYSIS OF PATENTS GRANTED, 2013–2023

TABLE 18 TOP 20 PATENT OWNERS IN PROCESS MINING MARKET, 2013–2023

TABLE 19 LIST OF TOP PATENTS IN PROCESS MINING MARKET, 2023

5.12 PRICING ANALYSIS

5.12.1 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY SOFTWARE TYPE

FIGURE 28 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY SOFTWARE TYPE

TABLE 20 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY SOFTWARE TYPE

5.12.2 INDICATIVE PRICING ANALYSIS, BY PROCESS MINING VENDOR

TABLE 21 INDICATIVE PRICING ANALYSIS, BY PROCESS MINING VENDOR

5.13 TRADE ANALYSIS

5.13.1 IMPORT SCENARIO OF COMPUTER SOFTWARE

FIGURE 29 COMPUTER SOFTWARE IMPORTS, BY KEY COUNTRY, 2015–2022 (USD BILLION)

5.13.2 EXPORT SCENARIO OF COMPUTER SOFTWARE

FIGURE 30 COMPUTER SOFTWARE EXPORTS, BY KEY COUNTRY, 2015–2022 (USD BILLION)

5.14 KEY CONFERENCES & EVENTS

TABLE 22 KEY CONFERENCES & EVENTS, 2023–2023

5.15 PORTER'S FIVE FORCES ANALYSIS

FIGURE 31 PORTER'S FIVE FORCES ANALYSIS

5.15.1 THREAT OF NEW ENTRANTS

5.15.2 THREAT OF SUBSTITUTES

5.15.3 BARGAINING POWER OF SUPPLIERS

5.15.4 BARGAINING POWER OF BUYERS

5.15.5 INTENSITY OF COMPETITIVE RIVALRY	
5.16 PROCESS MINING TECHNOLOGY ROADMAP	
TABLE 23 PROCESS MINING TECHNOLOGY ROADMAP	
5.17 PROCESS MINING MARKET: BUSINESS MODELS	
FIGURE 32 PROCESS MINING MARKET: BUSINESS MODELS	
5.17.1 SOFTWARE VENDOR MODEL	
5.17.2 CONSULTING SERVICES MODEL	
5.17.3 PLATFORM-AS-A-SERVICE MODEL	
5.17.4 MANAGED SERVICES MODEL	
5.17.5 DATA MONETIZATION MODEL	
5.18 TRENDS/DISRUPTIONS IMPACTING BUYERS/CLIENTS	
FIGURE 33 TRENDS/DISRUPTIONS IMPACTING BUYERS/CLIENTS	
5.19 KEY STAKEHOLDERS AND BUYING CRITERIA	
5.19.1 KEY STAKEHOLDERS IN BUYING PROCESS	
FIGURE 34 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS	
TABLE 24 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS	
5.19.2 BUYING CRITERIA	
FIGURE 35 KEY BUYING CRITERIA FOR TOP THREE VERTICALS	
TABLE 25 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS	

6 PROCESS MINING MARKET, BY DATA SOURCE

6.1 INTRODUCTION	
6.1.1 DATA SOURCES: PROCESS MINING MARKET DRIVERS	
FIGURE 36 ERP SYSTEMS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD	
TABLE 26 PROCESS MINING MARKET, BY DATA SOURCE, 2018–2022 (USD MILLION)	
TABLE 27 PROCESS MINING MARKET, BY DATA SOURCE, 2023–2028 (USD MILLION)	
6.2 ENTERPRISES RESOURCE PLANNING (ERP) SYSTEMS	
6.2.1 WIDESPREAD ADOPTION OF ERP SYSTEMS ACROSS INDUSTRIES TO DRIVE MARKET	
TABLE 28 PROCESS MINING MARKET, BY ERP SYSTEM, 2018–2022 (USD MILLION)	
TABLE 29 PROCESS MINING MARKET, BY ERP SYSTEM, 2023–2028 (USD MILLION)	

6.2.2 FINANCIAL ERP DATA

TABLE 30 FINANCIAL ERP DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 31 FINANCIAL ERP DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.2.3 INVENTORY ERP DATA

TABLE 32 INVENTORY ERP DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 33 INVENTORY ERP DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.2.4 PROCUREMENT ERP DATA

TABLE 34 PROCUREMENT ERP DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 35 PROCUREMENT ERP DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3 CUSTOMER RELATIONSHIP MANAGEMENT (CRM) SYSTEMS

6.3.1 NEED TO HARNESS CUSTOMER-CENTRIC DATA FROM CRM SYSTEMS TO PROPEL GROWTH

TABLE 36 PROCESS MINING MARKET, BY CRM SYSTEM, 2018–2022 (USD MILLION)

TABLE 37 PROCESS MINING MARKET, BY CRM SYSTEM, 2023–2028 (USD MILLION)

6.3.2 SALES CRM DATA

TABLE 38 SALES CRM DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 39 SALES CRM DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3.3 MARKETING CRM DATA

TABLE 40 MARKETING CRM DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 41 MARKETING CRM DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.3.4 CUSTOMER SUPPORT CRM DATA

TABLE 42 CUSTOMER SUPPORT CRM DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 43 CUSTOMER SUPPORT CRM DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.4 IOT DEVICES & SENSORS

6.4.1 RAPID ADOPTION OF IOT TECHNOLOGY ACROSS INDUSTRIES TO DRIVE

POPULARITY OF IOT DEVICES AND SENSORS

TABLE 44 PROCESS MINING MARKET, BY IOT DEVICE & SENSOR, 2018–2022
(USD MILLION)

TABLE 45 PROCESS MINING MARKET, BY IOT DEVICE & SENSOR, 2023–2028
(USD MILLION)

6.4.2 SENSOR DATA ANALYTICS

TABLE 46 SENSOR DATA ANALYTICS: PROCESS MINING MARKET, BY REGION,
2018–2022 (USD MILLION)

TABLE 47 SENSOR DATA ANALYTICS: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

6.4.3 IOT DEVICE PERFORMANCE DATA

TABLE 48 IOT DEVICE PERFORMANCE DATA: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 49 IOT DEVICE PERFORMANCE DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.4.4 PREDICTIVE MAINTENANCE DATA

TABLE 50 PREDICTIVE MAINTENANCE DATA: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 51 PREDICTIVE MAINTENANCE DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.5 CUSTOM APPLICATIONS & DATABASES

6.5.1 RISING NEED TO ANALYZE AND OPTIMIZE SPECIFIC WORKFLOWS TO
DRIVE ADOPTION OF CUSTOM APPLICATIONS AND DATABASES

TABLE 52 PROCESS MINING MARKET, BY CUSTOM APPLICATION & DATABASE,
2018–2022 (USD MILLION)

TABLE 53 PROCESS MINING MARKET, BY CUSTOM APPLICATION & DATABASE,
2023–2028 (USD MILLION)

6.5.2 CUSTOM DATABASE TABLES

TABLE 54 CUSTOM DATABASE TABLES: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 55 CUSTOM DATABASE TABLES: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.5.3 LEGACY APPLICATION DATA

TABLE 56 LEGACY APPLICATION DATA: PROCESS MINING MARKET, BY REGION,
2018–2022 (USD MILLION)

TABLE 57 LEGACY APPLICATION DATA: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

6.5.4 WEB APPLICATION LOGS

TABLE 58 WEB APPLICATION LOGS: PROCESS MINING MARKET, BY REGION,

2018–2022 (USD MILLION)

TABLE 59 WEB APPLICATION LOGS: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

6.6 WORKFLOW & BPM SYSTEMS

6.6.1 GROWING EMPHASIS ON STREAMLINING OPERATIONS AND BOOSTING
PRODUCTIVITY FOR SUSTAINABLE BUSINESS EXPANSION TO DRIVE MARKET

TABLE 60 PROCESS MINING MARKET, BY WORKFLOW & BPM SYSTEM,
2018–2022 (USD MILLION)

TABLE 61 PROCESS MINING MARKET, BY WORKFLOW & BPM SYSTEM,
2023–2028 (USD MILLION)

6.6.2 WORKFLOW PROCESS DATA

TABLE 62 WORKFLOW PROCESS DATA: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 63 WORKFLOW PROCESS DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.6.3 BUSINESS PROCESS MODEL & NOTATION (BPMN) MODEL EXECUTION

TABLE 64 BUSINESS PROCESS MODEL & NOTATION (BPMN) MODEL
EXECUTION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 65 BUSINESS PROCESS MODEL & NOTATION (BPMN) MODEL
EXECUTION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.6.4 PROCESS WORKFLOW METRICS

TABLE 66 PROCESS WORKFLOW METRICS: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 67 PROCESS WORKFLOW METRICS: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.7 DOCUMENT MANAGEMENT SYSTEMS

6.7.1 RAPID DIGITAL TRANSFORMATION TO PROPEL GROWTH OF DOCUMENT
MANAGEMENT SYSTEMS

TABLE 68 PROCESS MINING MARKET, BY DOCUMENT MANAGEMENT SYSTEM,
2018–2022 (USD MILLION)

TABLE 69 PROCESS MINING MARKET, BY DOCUMENT MANAGEMENT SYSTEM,
2023–2028 (USD MILLION)

6.7.2 DOCUMENT WORKFLOW DATA

TABLE 70 DOCUMENT WORKFLOW DATA: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 71 DOCUMENT WORKFLOW DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.7.3 CONTENT MANAGEMENT DATA

TABLE 72 CONTENT MANAGEMENT DATA: PROCESS MINING MARKET, BY

REGION, 2018–2022 (USD MILLION)

TABLE 73 CONTENT MANAGEMENT DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.7.4 DIGITAL SIGNATURE WORKFLOWS

TABLE 74 DIGITAL SIGNATURE WORKFLOWS: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 75 DIGITAL SIGNATURE WORKFLOWS: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.8 SUPPLY CHAIN & LOGISTICS DATA

6.8.1 SURGE IN ECOMMERCE AND GLOBAL TRADE TO BOOST GROWTH OF
PROCESS MINING SOLUTIONS ACROSS SUPPLY CHAINS

TABLE 76 PROCESS MINING MARKET, BY SUPPLY CHAIN & LOGISTICS DATA,
2018–2022 (USD MILLION)

TABLE 77 PROCESS MINING MARKET, BY SUPPLY CHAIN & LOGISTICS DATA,
2023–2028 (USD MILLION)

6.8.2 TRANSPORTATION & SHIPPING DATA

TABLE 78 TRANSPORTATION & SHIPPING DATA: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 79 TRANSPORTATION & SHIPPING DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.8.3 SUPPLIER & VENDOR INTERACTIONS

TABLE 80 SUPPLIER & VENDOR INTERACTIONS: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 81 SUPPLIER & VENDOR INTERACTIONS: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.8.4 COLD CHAIN MONITORING DATA

TABLE 82 COLD CHAIN MONITORING DATA: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 83 COLD CHAIN MONITORING DATA: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

6.9 FINANCIAL SYSTEMS DATA

6.9.1 INCREASING COMPLEXITY OF FINANCIAL TRANSACTIONS TO SPUR
DEMAND FOR PROCESS MINING TOOLS

TABLE 84 PROCESS MINING MARKET, BY FINANCIAL SYSTEMS DATA, 2018–2022
(USD MILLION)

TABLE 85 PROCESS MINING MARKET, BY FINANCIAL SYSTEMS DATA, 2023–2028
(USD MILLION)

6.9.2 ACCOUNTING & FINANCIAL TRANSACTIONS

TABLE 86 ACCOUNTING & FINANCIAL TRANSACTIONS: PROCESS MINING

MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 87 ACCOUNTING & FINANCIAL TRANSACTIONS: PROCESS MINING

MARKET, BY REGION, 2023–2028 (USD MILLION)

6.9.3 EXPENSE MANAGEMENT DATA

TABLE 88 EXPENSE MANAGEMENT DATA: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 89 EXPENSE MANAGEMENT DATA: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.9.4 AUDIT & COMPLIANCE RECORDS

TABLE 90 AUDIT & COMPLIANCE RECORDS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 91 AUDIT & COMPLIANCE RECORDS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

6.10 OTHER DATA SOURCES

TABLE 92 OTHER DATA SOURCES: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 93 OTHER DATA SOURCES: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7 PROCESS MINING MARKET, BY MINING ALGORITHM

7.1 INTRODUCTION

7.1.1 MINING ALGORITHMS: PROCESS MINING MARKET DRIVERS

FIGURE 37 DEEP LEARNING ALGORITHMS SEGMENT TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD

TABLE 94 PROCESS MINING MARKET, BY MINING ALGORITHM, 2018–2022 (USD MILLION)

TABLE 95 PROCESS MINING MARKET, BY MINING ALGORITHM, 2023–2028 (USD MILLION)

7.2 DISCOVERY ALGORITHMS

7.2.1 DISCOVERY ALGORITHMS HELP ORGANIZATIONS GAIN INSIGHTS INTO OPERATIONS FOR OPTIMIZATION AND EFFICIENCY

TABLE 96 PROCESS MINING MARKET, BY DISCOVERY ALGORITHM, 2018–2022 (USD MILLION)

TABLE 97 PROCESS MINING MARKET, BY DISCOVERY ALGORITHM, 2023–2028 (USD MILLION)

7.2.2 HEURISTIC MINING

TABLE 98 HEURISTIC MINING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 99 HEURISTIC MINING: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

7.2.2.1 Directly-follows Graph Discovery

7.2.2.2 Dependency Graph Discovery

7.2.3 ALPHA MINER

TABLE 100 ALPHA MINER: PROCESS MINING MARKET, BY REGION, 2018–2022
(USD MILLION)

TABLE 101 ALPHA MINER: PROCESS MINING MARKET, BY REGION, 2023–2028
(USD MILLION)

7.2.3.1 Enhanced Heuristic Mining

7.2.3.2 Noise Filtering

7.2.3.3 Loop Handling

7.2.4 INDUCTIVE MINER

TABLE 102 INDUCTIVE MINER: PROCESS MINING MARKET, BY REGION,
2018–2022 (USD MILLION)

TABLE 103 INDUCTIVE MINER: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

7.2.4.1 Directly-follows Graph Induction

7.2.4.2 Log Petri Net Conversion

7.2.4.3 Noise Tolerance

7.3 CONFORMANCE CHECKING ALGORITHMS

7.3.1 CONFORMANCE CHECKING ALGORITHMS ALIGN PROCESSES WITH
INTENDED MODELS, IMPROVING PERFORMANCE AND COMPLIANCE

TABLE 104 PROCESS MINING MARKET, BY CONFORMANCE CHECKING
ALGORITHM, 2018–2022 (USD MILLION)

TABLE 105 PROCESS MINING MARKET, BY CONFORMANCE CHECKING
ALGORITHM, 2023–2028 (USD MILLION)

7.3.2 TOKEN-BASED REPLAY

TABLE 106 TOKEN-BASED REPLAY: PROCESS MINING MARKET, BY REGION,
2018–2022 (USD MILLION)

TABLE 107 TOKEN-BASED REPLAY: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

7.3.2.1 Token-based Replay Fitness Analysis

7.3.2.2 Token-based Replay Alignments

7.3.2.3 Token-based Replay Precision & Generalization

7.3.3 LOG-BASED CONFORMANCE CHECKING

TABLE 108 LOG-BASED CONFORMANCE CHECKING: PROCESS MINING
MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 109 LOG-BASED CONFORMANCE CHECKING: PROCESS MINING

MARKET, BY REGION, 2023–2028 (USD MILLION)**7.3.3.1 Deviation Detection****7.3.3.2 Conformance Metrics****7.3.3.3 Root Cause Analysis****7.3.4 MODEL-BASED CONFORMANCE CHECKING****TABLE 110 MODEL-BASED CONFORMANCE CHECKING: PROCESS MINING****MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 111 MODEL-BASED CONFORMANCE CHECKING: PROCESS MINING****MARKET, BY REGION, 2023–2028 (USD MILLION)****7.3.4.1 Process Model Alignment****7.3.4.2 Model-based Conformance Checking Fitness Analysis****7.3.4.3 Model-based Conformance Checking Precision & Generalization****7.4 ENHANCEMENT & EXTENSION ALGORITHMS****7.4.1 ENHANCEMENT & EXTENSION ALGORITHMS REFINE EXISTING PROCESS MODELS THROUGH IMPROVED OPERATIONAL EFFECTIVENESS****TABLE 112 PROCESS MINING MARKET, BY ENHANCEMENT & EXTENSION ALGORITHM, 2018–2022 (USD MILLION)****TABLE 113 PROCESS MINING MARKET, BY ENHANCEMENT & EXTENSION ALGORITHM, 2023–2028 (USD MILLION)****7.4.2 PROCESS SIMULATION****TABLE 114 PROCESS SIMULATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 115 PROCESS SIMULATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)****7.4.2.1 Monte Carlo Simulation****7.4.2.2 Process Variability Analysis****7.4.2.3 What-If-Analysis****7.4.3 RECOMMENDATION ALGORITHMS****TABLE 116 RECOMMENDATION ALGORITHMS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 117 RECOMMENDATION ALGORITHMS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)****7.4.3.1 Process Optimization Recommendations****7.4.3.2 Resource Allocation Recommendations****7.4.3.3 Compliance Improvement Guidance****7.4.4 PREDICTIVE ANALYTICS ALGORITHMS****TABLE 118 PREDICTIVE ANALYTICS ALGORITHMS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 119 PREDICTIVE ANALYTICS ALGORITHMS: PROCESS MINING MARKET,**

BY REGION, 2023–2028 (USD MILLION)**7.4.4.1 Machine Learning for Process Predictions****7.4.4.2 Predictive KPI Monitoring****7.5 CLUSTERING & CLASSIFICATION ALGORITHMS****7.5.1 CLUSTERING & CLASSIFICATION ALGORITHMS ENABLE BETTER RESOURCE ALLOCATION AND INFORMED DECISION-MAKING****TABLE 120 PROCESS MINING MARKET, BY CLUSTERING & CLASSIFICATION ALGORITHM, 2018–2022 (USD MILLION)****TABLE 121 PROCESS MINING MARKET, BY CLUSTERING & CLASSIFICATION ALGORITHM, 2023–2028 (USD MILLION)****7.5.2 PROCESS INSTANCE CLUSTERING****TABLE 122 PROCESS INSTANCE CLUSTERING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 123 PROCESS INSTANCE CLUSTERING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)****7.5.2.1 Similarity Measures****7.5.2.2 Hierarchical Clustering****7.5.2.3 K-Means Clustering****7.5.3 PROCESS VARIANT CLASSIFICATION****TABLE 124 PROCESS VARIANT CLASSIFICATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 125 PROCESS VARIANT CLASSIFICATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)****7.5.3.1 Decision Tree Classification****7.5.3.2 Naive Bayes Classification****7.5.3.3 Support Vector Machines (SVM)****7.5.4 ANOMALY DETECTION****TABLE 126 ANOMALY DETECTION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)****TABLE 127 ANOMALY DETECTION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)****7.5.4.1 Statistical Anomaly Detection****7.5.4.2 Isolation Forest****7.5.4.3 Autoencoders for Sequence Anomalies****7.6 SEQUENCE ANALYSIS ALGORITHMS****7.6.1 SEQUENCE ANALYSIS ALGORITHMS ENABLE BUSINESSES TO IMPROVE SEQUENCING OF CRUCIAL PROCESSES FOR INCREASED EFFICIENCY****TABLE 128 PROCESS MINING MARKET, BY SEQUENCE ANALYSIS ALGORITHM, 2018–2022 (USD MILLION)**

TABLE 129 PROCESS MINING MARKET, BY SEQUENCE ANALYSIS ALGORITHM, 2023–2028 (USD MILLION)

7.6.2 SEQUENTIAL PATTERN MINING

TABLE 130 SEQUENTIAL PATTERN MINING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 131 SEQUENTIAL PATTERN MINING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.6.2.1 Frequent Sequential Pattern Discovery

7.6.2.2 Parallel Sequence Mining

7.6.3 SEQUENCE ALIGNMENT

TABLE 132 SEQUENCE ALIGNMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 133 SEQUENCE ALIGNMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.6.3.1 Event Log Sequence Alignment

7.6.3.2 Sequence Edit Distance Metrics

7.6.3.3 Sequence Clustering

7.6.4 PROCESS PATH ANALYSIS

TABLE 134 PROCESS PATH ANALYSIS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 135 PROCESS PATH ANALYSIS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.6.4.1 Path Frequency Analysis

7.6.4.2 Process Path Abstraction

7.6.4.3 Critical Path Identification

7.7 DEEP LEARNING ALGORITHMS

7.7.1 DEEP LEARNING ALGORITHMS LEVERAGE NEURAL NETWORKS TO ENHANCE PREDICTIVE CAPABILITIES AND OPERATIONAL INTELLIGENCE

TABLE 136 PROCESS MINING MARKET, BY DEEP LEARNING FOR PROCESS MINING, 2018–2022 (USD MILLION)

TABLE 137 PROCESS MINING MARKET, BY DEEP LEARNING FOR PROCESS MINING, 2023–2028 (USD MILLION)

7.7.2 RECURRENT NEURAL NETWORKS (RNN)

TABLE 138 RECURRENT NEURAL NETWORKS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 139 RECURRENT NEURAL NETWORKS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.7.2.1 LSTM-based Process Analysis

7.7.2.2 GRU-based Sequence Modeling

7.7.2.3 Event Sequence Prediction

7.7.3 TRANSFORMER MODELS

TABLE 140 TRANSFORMER MODELS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 141 TRANSFORMER MODELS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.7.3.1 Attention-based Process Analysis

7.7.3.2 Transformer-XL for Long Sequences

7.7.3.3 Process Text Mining

7.7.4 GRAPH NEURAL NETWORKS (GNN)

TABLE 142 GRAPH NEURAL NETWORKS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 143 GRAPH NEURAL NETWORKS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.7.4.1 Graph-based Process Analysis

7.7.4.2 Graph Attention Networks (GAT)

7.7.4.3 GNNs for Process Prediction

7.8 TEMPORAL PROCESS MINING ALGORITHMS

7.8.1 GROWING FOCUS ON TIMING AND DURATION OF PROCESS EVENTS AND OPTIMIZING TIMING-BASED PROCESSES TO DRIVE GROWTH

TABLE 144 PROCESS MINING MARKET, BY TEMPORAL PROCESS MINING ALGORITHM, 2018–2022 (USD MILLION)

TABLE 145 PROCESS MINING MARKET, BY TEMPORAL PROCESS MINING ALGORITHM, 2023–2028 (USD MILLION)

7.8.2 TEMPORAL PATTERN DISCOVERY

TABLE 146 TEMPORAL PATTERN DISCOVERY: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 147 TEMPORAL PATTERN DISCOVERY: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.8.2.1 Time Interval-based Patterns

7.8.2.2 Temporal Rules and Constraints

7.8.2.3 Duration Analysis

7.8.3 TIME SERIES ANALYSIS

TABLE 148 TIME SERIES ANALYSIS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 149 TIME SERIES ANALYSIS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

7.8.3.1 Event Log Time Series Analysis

7.8.3.2 Process Event Forecasting

7.8.3.3 Time-related Process Insights

7.9 OTHER MINING ALGORITHMS

TABLE 150 OTHER MINING ALGORITHMS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 151 OTHER MINING ALGORITHMS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8 PROCESS MINING MARKET, BY OFFERING

8.1 INTRODUCTION

8.1.1 OFFERINGS: PROCESS MINING MARKET DRIVERS

FIGURE 38 SERVICES SEGMENT TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 152 PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 153 PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

8.2 SOFTWARE

FIGURE 39 CONTINUOUS MONITORING & ANALYTICS TOOLS SEGMENT TO LEAD MARKET IN 2023

TABLE 154 PROCESS MINING MARKET, BY SOFTWARE, 2018–2022 (USD MILLION)

TABLE 155 PROCESS MINING MARKET, BY SOFTWARE, 2023–2028 (USD MILLION)

8.2.1 PROCESS DISCOVERY TOOLS

8.2.1.1 Process discovery tools empower organizations to enhance and streamline their processes

TABLE 156 PROCESS MINING MARKET, BY PROCESS DISCOVERY TOOL, 2018–2022 (USD MILLION)

TABLE 157 PROCESS MINING MARKET, BY PROCESS DISCOVERY TOOL, 2023–2028 (USD MILLION)

8.2.1.2 Event Log-based Discovery

TABLE 158 EVENT LOG-BASED DISCOVERY: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 159 EVENT LOG-BASED DISCOVERY: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.1.2.1 Automated Discovery

8.2.1.2.2 Interactive Discovery

8.2.1.2.3 Log Filtering and Preprocessing

8.2.1.3 Process Map-based Discovery

TABLE 160 PROCESS MAP-BASED DISCOVERY: PROCESS MINING MARKET, BY

REGION, 2018–2022 (USD MILLION)

TABLE 161 PROCESS MAP-BASED DISCOVERY: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.1.3.1 Flowchart Generation

8.2.1.3.2 Process Map Visualization

8.2.2 CONFORMANCE CHECKING TOOLS

8.2.2.1 Conformance checking tools bridge gap between theoretical models and actual operational realities

TABLE 162 PROCESS MINING MARKET, BY CONFORMANCE CHECKING TOOL, 2018–2022 (USD MILLION)

TABLE 163 PROCESS MINING MARKET, BY CONFORMANCE CHECKING TOOL, 2023–2028 (USD MILLION)

8.2.2.2 Model-checking Conformance

TABLE 164 MODEL-CHECKING CONFORMANCE: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 165 MODEL-CHECKING CONFORMANCE: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.2.2.1 Direct Model Comparison

8.2.2.2.2 Statistical Model Checking

8.2.2.2.3 Automated Rule-based Conformance

8.2.2.3 Log-based Conformance

TABLE 166 LOG-BASED CONFORMANCE: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 167 LOG-BASED CONFORMANCE: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.2.3.1 Deviation Detection

8.2.2.3.2 Anomaly Detection

8.2.2.3.3 Root Cause Analysis

8.2.3 PROCESS ENHANCEMENT AND SIMULATION TOOLS

8.2.3.1 Need for fostering process enhancement and simulation to drive market growth

TABLE 168 PROCESS MINING MARKET, BY PROCESS ENHANCEMENT AND SIMULATION TOOL, 2018–2022 (USD MILLION)

TABLE 169 PROCESS MINING MARKET, BY PROCESS ENHANCEMENT AND SIMULATION TOOL, 2023–2028 (USD MILLION)

8.2.3.2 Simulation & Optimization

TABLE 170 SIMULATION & OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 171 SIMULATION & OPTIMIZATION: PROCESS MINING MARKET, BY

REGION, 2023–2028 (USD MILLION)

8.2.3.2.1 Process Simulation

8.2.3.2.2 What-If Analysis

8.2.3.2.3 Optimization Algorithms

8.2.3.3 Process Enhancement & Automation

TABLE 172 PROCESS ENHANCEMENT & AUTOMATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 173 PROCESS ENHANCEMENT & AUTOMATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)**

8.2.3.3.1 Recommendation Engine

8.2.3.3.2 Automation Integration

8.2.3.3.3 Process Redesign Tools

8.2.4 PERFORMANCE ANALYSIS TOOLS

8.2.4.1 Performance analysis tools enable businesses to gain valuable insights into efficiency and effectiveness of operational processes

TABLE 174 PROCESS MINING MARKET, BY PERFORMANCE ANALYSIS TOOL, 2018–2022 (USD MILLION)**TABLE 175 PROCESS MINING MARKET, BY PERFORMANCE ANALYSIS TOOL, 2023–2028 (USD MILLION)**

8.2.4.2 Performance Metrics

TABLE 176 PERFORMANCE METRICS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 177 PERFORMANCE METRICS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)**

8.2.4.2.1 Key Performance Indicator (KPI) Tracking

8.2.4.2.2 Process Efficiency Analysis

8.2.4.2.3 Bottleneck Identification

8.2.4.3 Performance Visualization

TABLE 178 PERFORMANCE VISUALIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 179 PERFORMANCE VISUALIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)**

8.2.4.3.1 Real-time Performance Dashboard

8.2.4.3.2 Historical Performance Trends

8.2.4.3.3 Performance Benchmarking

8.2.5 VISUALIZATION TOOLS

8.2.5.1 Growing need for businesses to transform complex data into actionable insights to spur demand

TABLE 180 PROCESS MINING MARKET, BY VISUALIZATION TOOL, 2018–2022

(USD MILLION)

TABLE 181 PROCESS MINING MARKET, BY VISUALIZATION TOOL, 2023–2028

(USD MILLION)

8.2.5.2 Process Visualization

TABLE 182 PROCESS VISUALIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 183 PROCESS VISUALIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.5.2.1 Interactive Process Maps

8.2.5.2.2 Process Flowcharts

8.2.5.2.3 Heatmaps & Sankey Diagrams

8.2.5.3 Data Visualization

TABLE 184 DATA VISUALIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 185 DATA VISUALIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.5.3.1 Data Dashboards

8.2.5.3.2 Custom Data Visualizations

8.2.5.3.3 Data Exploration Tools

8.2.6 CONTINUOUS MONITORING & ANALYTICS TOOLS

8.2.6.1 Need for companies to drive proactive and strategic decision-making to boost adoption of continuous monitoring & analytics tools

TABLE 186 PROCESS MINING MARKET, BY CONTINUOUS MONITORING & ANALYTICS TOOL, 2018–2022 (USD MILLION)

TABLE 187 PROCESS MINING MARKET, BY CONTINUOUS MONITORING & ANALYTICS TOOL, 2023–2028 (USD MILLION)

8.2.6.2 Real-time Monitoring

TABLE 188 REAL-TIME MONITORING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 189 REAL-TIME MONITORING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.6.2.1 Continuous Event Stream Analytics

8.2.6.2.2 Real-time Process Tracking

8.2.6.2.3 Alerting & Notification

8.2.6.3 Historical Analytics

TABLE 190 HISTORICAL ANALYTICS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 191 HISTORICAL ANALYTICS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.6.3.1 Trend Analysis

8.2.6.3.2 Root Cause Analysis

8.2.6.3.3 Historical Process Performance Reports

8.2.6.4 Predictive Analytics

TABLE 192 PREDICTIVE ANALYTICS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 193 PREDICTIVE ANALYTICS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.6.4.1 Machine Learning Models

8.2.6.4.2 Predictive KPI Forecasting

8.2.6.5 Advanced Prediction Models

TABLE 194 ADVANCED PREDICTION MODELS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 195 ADVANCED PREDICTION MODELS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.6.5.1 Complex Event Processing

8.2.6.5.2 Time Series Forecasting

8.2.7 INTEGRATION & COLLABORATION TOOLS

8.2.7.1 Growing demand among organizations to enhance efficiency and foster seamless communication to spur growth

TABLE 196 PROCESS MINING MARKET, BY INTEGRATION & COLLABORATION TOOL, 2018–2022 (USD MILLION)

TABLE 197 PROCESS MINING MARKET, BY INTEGRATION & COLLABORATION TOOL, 2023–2028 (USD MILLION)

8.2.7.2 Data Integration

TABLE 198 DATA INTEGRATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 199 DATA INTEGRATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.7.2.1 Data Source Integration

8.2.7.2.2 API & Data Connector Support

8.2.7.2.3 Data Transformation & Mapping

8.2.7.3 Collaboration Tools

TABLE 200 COLLABORATION TOOLS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 201 COLLABORATION TOOLS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.2.7.3.1 Workflow Collaboration

8.2.7.3.2 Team Collaboration

8.2.7.3.3 Process Documentation & Sharing

8.2.8 OTHER SOFTWARE SOLUTIONS

TABLE 202 OTHER SOFTWARE SOLUTIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 203 OTHER SOFTWARE SOLUTIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3 SERVICES

FIGURE 40 MANAGED SERVICES SEGMENT TO REGISTER HIGHER CAGR DURING FORECAST PERIOD

TABLE 204 PROCESS MINING MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 205 PROCESS MINING MARKET, BY SERVICE, 2023–2028 (USD MILLION)

8.3.1 PROFESSIONAL SERVICES

8.3.1.1 Professional services offer specialized expertise for seamless integration of process mining tools

FIGURE 41 SYSTEM INTEGRATION & IMPLEMENTATION SEGMENT TO ACCOUNT FOR LARGEST SHARE BY 2028

TABLE 206 PROFESSIONAL SERVICES: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 207 PROFESSIONAL SERVICES: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

8.3.1.1.1 System Integration & Implementation Services

8.3.1.1.2 Support & Maintenance Services

8.3.1.1.3 Training & Consulting Services

8.3.2 MANAGED SERVICES

8.3.2.1 Managed services provide end-to-end management of process mining, helping businesses focus on core competencies

TABLE 208 MANAGED SERVICES: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 209 MANAGED SERVICES: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9 PROCESS MINING MARKET, BY VERTICAL

9.1 INTRODUCTION

9.1.1 VERTICALS: PROCESS MINING MARKET DRIVERS

FIGURE 42 MANUFACTURING SEGMENT TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

TABLE 210 PROCESS MINING MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 211 PROCESS MINING MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

9.2 BFSI

9.2.1 FOCUS ON TRANSFORMING BFSI LANDSCAPE WITH OPERATIONAL EXCELLENCE TO DRIVE GROWTH

TABLE 212 PROCESS MINING MARKET, BY BFSI APPLICATION, 2018–2022 (USD MILLION)

TABLE 213 PROCESS MINING MARKET, BY BFSI APPLICATION, 2023–2028 (USD MILLION)

9.2.1.1 Loan Origination & Underwriting

TABLE 214 LOAN ORIGINATION & UNDERWRITING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 215 LOAN ORIGINATION & UNDERWRITING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2.1.1.1 Credit Risk Assessment

9.2.1.1.2 Mortgage Approval Process

9.2.1.1.3 Loan Document Verification

9.2.1.2 Fraud Detection & Prevention

TABLE 216 FRAUD DETECTION & PREVENTION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 217 FRAUD DETECTION & PREVENTION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2.1.2.1 Transaction Fraud Analysis

9.2.1.2.2 Identity Theft Detection

9.2.1.2.3 Anti-money Laundering (AML)

9.2.1.3 Customer Onboarding & KYC

TABLE 218 CUSTOMER ONBOARDING & KYC: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 219 CUSTOMER ONBOARDING & KYC: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2.1.3.1 Customer Due Diligence

9.2.1.3.2 KYC Process Efficiency

9.2.1.3.3 Compliance Monitoring

9.2.1.4 Claims Processing

TABLE 220 CLAIMS PROCESSING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 221 CLAIMS PROCESSING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2.1.4.1 Insurance Claims Verification

9.2.1.4.2 Claims Settlement Efficiency

9.2.1.4.3 Fraudulent Claims Detection

9.2.1.5 Others

TABLE 222 OTHER BFSI APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 223 OTHER BFSI APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3 MANUFACTURING

9.3.1 PROCESS MINING OFFERS COMPREHENSIVE VIEW OF ENTIRE PRODUCTION CHAIN IN MANUFACTURING SECTOR

TABLE 224 PROCESS MINING MARKET, BY MANUFACTURING APPLICATION, 2018–2022 (USD MILLION)

TABLE 225 PROCESS MINING MARKET, BY MANUFACTURING APPLICATION, 2023–2028 (USD MILLION)

9.3.1.1 Production Optimization

TABLE 226 PRODUCTION OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 227 PRODUCTION OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3.1.1.1 Production Line Efficiency

9.3.1.1.2 Workforce Productivity

9.3.1.1.3 Equipment Utilization

9.3.1.2 Quality Control & Assurance

TABLE 228 QUALITY CONTROL & ASSURANCE: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 229 QUALITY CONTROL & ASSURANCE: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3.1.2.1 Defect Detection & Prevention

9.3.1.2.2 Compliance Monitoring

9.3.1.2.3 Root Cause Analysis

9.3.1.3 Supply Chain Management

TABLE 230 SUPPLY CHAIN MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 231 SUPPLY CHAIN MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.3.1.3.1 Inventory Optimization

9.3.1.3.2 Supplier Performance Analysis

9.3.1.3.3 Demand Forecasting & Planning

9.3.1.4 Maintenance & Reliability

TABLE 232 MAINTENANCE & RELIABILITY: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 233 MAINTENANCE & RELIABILITY: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

- 9.3.1.4.1 Predictive Maintenance
- 9.3.1.4.2 Asset Utilization Analysis
- 9.3.1.4.3 Downtime Reduction
- 9.3.1.5 Others

TABLE 234 OTHER MANUFACTURING APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 235 OTHER MANUFACTURING APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4 IT & ITES

9.4.1 EMPHASIS ON EMPOWERING ORGANIZATIONS TO NAVIGATE COMPLEXITIES OF IT SERVICE DELIVERY TO BOOST GROWTH

TABLE 236 PROCESS MINING MARKET, BY IT & ITES APPLICATION, 2018–2022 (USD MILLION)

TABLE 237 PROCESS MINING MARKET, BY IT & ITES APPLICATION, 2023–2028 (USD MILLION)

- 9.4.1.1 Software Development Lifecycle (SDLC) Analysis

TABLE 238 SOFTWARE DEVELOPMENT LIFECYCLE ANALYSIS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 239 SOFTWARE DEVELOPMENT LIFECYCLE ANALYSIS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

- 9.4.1.1.1 Code Review & Optimization
- 9.4.1.1.2 Bug & Issue Tracking
- 9.4.1.1.3 Release Cycle Efficiency
- 9.4.1.2 IT Help & Desk Support

TABLE 240 IT HELP & DESK SUPPORT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 241 IT HELP & DESK SUPPORT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

- 9.4.1.2.1 Ticket Resolution Time Analysis
- 9.4.1.2.2 Incident Trends & Patterns
- 9.4.1.2.3 Service Level Agreement (SLA) Compliance
- 9.4.1.3 IT Infrastructure Management

TABLE 242 IT INFRASTRUCTURE MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 243 IT INFRASTRUCTURE MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

- 9.4.1.3.1 Network Performance Monitoring

9.4.1.3.2 Server Resource Utilization

9.4.1.3.3 IT Asset Inventory

9.4.1.4 Cybersecurity & Threat Detection

TABLE 244 CYBERSECURITY & THREAT DETECTION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 245 CYBERSECURITY & THREAT DETECTION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.4.1.4.1 Intrusion Detection & Response

9.4.1.4.2 Security Incident Analysis

9.4.1.4.3 Compliance With Security Policies

9.4.1.5 Others

TABLE 246 OTHER IT & ITES APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 247 OTHER IT & ITES APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5 HEALTHCARE & LIFE SCIENCES

9.5.1 NEED FOR IMPROVING PATIENT CARE AND DRIVING INNOVATION TO SPUR ADOPTION OF PROCESS MINING SERVICES

TABLE 248 PROCESS MINING MARKET, BY HEALTHCARE & LIFE SCIENCES APPLICATION, 2018–2022 (USD MILLION)

TABLE 249 PROCESS MINING MARKET, BY HEALTHCARE & LIFE SCIENCES APPLICATION, 2023–2028 (USD MILLION)

9.5.1.1 Patient Care & Hospital Management

TABLE 250 PATIENT CARE & HOSPITAL MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 251 PATIENT CARE & HOSPITAL MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5.1.1.1 Patient Journey Analysis

9.5.1.1.2 Resource Allocation Optimization

9.5.1.1.3 Billing & Claims Processing

9.5.1.2 Clinical Trials Optimization

TABLE 252 CLINICAL TRIALS OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 253 CLINICAL TRIALS OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5.1.2.1 Trial Enrollment Efficiency

9.5.1.2.2 Adverse Event Analysis

9.5.1.2.3 Drug Development Timelines

9.5.1.3 Electronic Health Records (EHR) Analysis

TABLE 254 ELECTRONIC HEALTH RECORDS ANALYSIS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 255 ELECTRONIC HEALTH RECORDS ANALYSIS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5.1.3.1 EHR Data Accuracy

9.5.1.3.2 Regulatory Compliance

9.5.1.3.3 Patient Outcome Improvement

9.5.1.4 Supply Chain & Pharmaceutical Manufacturing

TABLE 256 SUPPLY CHAIN & PHARMACEUTICAL MANUFACTURING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 257 SUPPLY CHAIN & PHARMACEUTICAL MANUFACTURING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.5.1.4.1 Pharmaceutical Production Optimization

9.5.1.4.2 Drug Traceability

9.5.1.4.3 Inventory Management

9.5.1.5 Others

TABLE 258 OTHER HEALTHCARE APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 259 OTHER HEALTHCARE APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.6 RETAIL & ECOMMERCE

9.6.1 RISING IMPORTANCE OF IDENTIFYING CUSTOMER PATTERNS AND PREFERENCES TO PROPEL MARKET

TABLE 260 PROCESS MINING MARKET, BY RETAIL & ECOMMERCE APPLICATION, 2018–2022 (USD MILLION)

TABLE 261 PROCESS MINING MARKET, BY RETAIL & ECOMMERCE APPLICATION, 2023–2028 (USD MILLION)

9.6.1.1 Customer Experience Enhancement

TABLE 262 CUSTOMER EXPERIENCE ENHANCEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 263 CUSTOMER EXPERIENCE ENHANCEMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.6.1.1.1 Customer Journey Mapping

9.6.1.1.2 Personalization & Recommendations

9.6.1.1.3 Cart Abandonment Analysis

9.6.1.2 Inventory & Stock Management

TABLE 264 INVENTORY & STOCK MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 265 INVENTORY & STOCK MANAGEMENT: PROCESS MINING MARKET,

BY REGION, 2023–2028 (USD MILLION)

9.6.1.2.1 Stock-level Optimization

9.6.1.2.2 Stock Demand Forecasting

9.6.1.2.3 Shelf Space Optimization

9.6.1.3 Order Fulfillment & Logistics

TABLE 266 ORDER FULFILLMENT & LOGISTICS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 267 ORDER FULFILLMENT & LOGISTICS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)**

9.6.1.3.1 Order Process Efficiency

9.6.1.3.2 Delivery Time Optimization

9.6.1.3.3 Returns Management

9.6.1.4 Pricing & Promotion Strategy

TABLE 268 PRICING & PROMOTION STRATEGY: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 269 PRICING & PROMOTION STRATEGY: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)**

9.6.1.4.1 Dynamic Pricing Analysis

9.6.1.4.2 Promotion Effectiveness

9.6.1.4.3 Profit Margin Optimization

9.6.1.5 Others

TABLE 270 OTHER RETAIL & ECOMMERCE APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 271 OTHER RETAIL & ECOMMERCE APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)****9.7 ENERGY & UTILITIES****9.7.1 PROCESS MINING ENHANCES SUPPLY CHAIN AND MAINTENANCE PROCEDURES IN ENERGY & UTILITIES SECTOR****TABLE 272 PROCESS MINING MARKET, BY ENERGY & UTILITIES APPLICATION, 2018–2022 (USD MILLION)****TABLE 273 PROCESS MINING MARKET, BY ENERGY & UTILITIES APPLICATION, 2023–2028 (USD MILLION)**

9.7.1.1 Energy Consumption Analysis

TABLE 274 ENERGY CONSUMPTION ANALYSIS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)**TABLE 275 ENERGY CONSUMPTION ANALYSIS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)**

9.7.1.1.1 Energy Efficiency Improvement

9.7.1.1.2 Energy Demand Forecasting

9.7.1.1.3 Renewable Energy Integration

9.7.1.2 Asset Management & Predictive Maintenance

TABLE 276 ASSET MANAGEMENT & PREDICTIVE MAINTENANCE: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 277 ASSET MANAGEMENT & PREDICTIVE MAINTENANCE: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.7.1.2.1 Equipment Reliability Analysis

9.7.1.2.2 Asset Performance Optimization

9.7.1.2.3 Grid Resilience Enhancement

9.7.1.3 Grid & Distribution Optimization

TABLE 278 GRID & DISTRIBUTION OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 279 GRID & DISTRIBUTION OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.7.1.3.1 Grid Performance Analysis

9.7.1.3.2 Distribution Network Efficiency

9.7.1.3.3 Smart Grid Implementation

9.7.1.4 Environmental Compliance

TABLE 280 ENVIRONMENTAL COMPLIANCE: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 281 ENVIRONMENTAL COMPLIANCE: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.7.1.4.1 Emissions Monitoring & Reporting

9.7.1.4.2 Regulatory Compliance

9.7.1.4.3 Sustainability Initiatives

9.7.1.5 Others

TABLE 282 OTHER ENERGY & UTILITIES APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 283 OTHER ENERGY & UTILITIES APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.8 TRANSPORTATION & LOGISTICS

9.8.1 GROWING DEMAND FOR MORE AGILE AND RESPONSIVE SUPPLY CHAIN TO DRIVE MARKET

TABLE 284 PROCESS MINING MARKET, BY TRANSPORTATION & LOGISTICS APPLICATION, 2018–2022 (USD MILLION)

TABLE 285 PROCESS MINING MARKET, BY TRANSPORTATION & LOGISTICS APPLICATION, 2023–2028 (USD MILLION)

9.8.1.1 Route Optimization

TABLE 286 ROUTE OPTIMIZATION: PROCESS MINING MARKET, BY REGION,

2018–2022 (USD MILLION)

TABLE 287 ROUTE OPTIMIZATION: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

9.8.1.1.1 Transportation Route Efficiency

9.8.1.1.2 Delivery Time Monitoring

9.8.1.1.3 Fleet Management

9.8.1.2 Inventory & Warehouse Management

TABLE 288 INVENTORY & WAREHOUSE MANAGEMENT: PROCESS MINING
MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 289 INVENTORY & WAREHOUSE MANAGEMENT: PROCESS MINING
MARKET, BY REGION, 2023–2028 (USD MILLION)

9.8.1.2.1 Inventory Turnover Optimization

9.8.1.2.2 Warehouse Efficiency

9.8.1.2.3 Demand Forecasting

9.8.1.3 Logistics Visibility & Tracking

TABLE 290 LOGISTICS VISIBILITY & TRACKING: PROCESS MINING MARKET, BY
REGION, 2018–2022 (USD MILLION)

TABLE 291 LOGISTICS VISIBILITY & TRACKING: PROCESS MINING MARKET, BY
REGION, 2023–2028 (USD MILLION)

9.8.1.3.1 Supply Chain Visibility

9.8.1.3.2 Carrier Performance Analysis

9.8.1.3.3 Last-mile Delivery Optimization

9.8.1.4 Safety & Compliance

TABLE 292 SAFETY & COMPLIANCE: PROCESS MINING MARKET, BY REGION,
2018–2022 (USD MILLION)

TABLE 293 SAFETY & COMPLIANCE: PROCESS MINING MARKET, BY REGION,
2023–2028 (USD MILLION)

9.8.1.4.1 Driver Safety Monitoring

9.8.1.4.2 Regulatory Compliance

9.8.1.4.3 Incident & Accident Analysis

9.8.1.5 Others

TABLE 294 OTHER TRANSPORTATION & LOGISTICS APPLICATIONS: PROCESS
MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 295 OTHER TRANSPORTATION & LOGISTICS APPLICATIONS: PROCESS
MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.9 GOVERNMENT & DEFENSE

9.9.1 PROCESS MINING SERVES AS CRITICAL TOOL FOR MAINTAINING
OPERATIONAL INTEGRITY IN GOVERNMENT & DEFENSE SECTOR

TABLE 296 PROCESS MINING MARKET, BY GOVERNMENT & DEFENSE

APPLICATION, 2018–2022 (USD MILLION)

TABLE 297 PROCESS MINING MARKET, BY GOVERNMENT & DEFENSE

APPLICATION, 2023–2028 (USD MILLION)

9.9.1.1 Citizen Services Improvement

TABLE 298 CITIZEN SERVICES IMPROVEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 299 CITIZEN SERVICES IMPROVEMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.9.1.1.1 Government Service Efficiency

9.9.1.1.2 Citizen Experience Enhancement

9.9.1.1.3 Compliance Monitoring

9.9.1.2 Public Health & Safety

TABLE 300 PUBLIC HEALTH & SAFETY: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 301 PUBLIC HEALTH & SAFETY: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.9.1.2.1 Emergency Response Optimization

9.9.1.2.2 Disease Surveillance

9.9.1.2.3 Traffic Management

9.9.1.3 Regulatory Compliance & Auditing

TABLE 302 REGULATORY COMPLIANCE & AUDITING: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 303 REGULATORY COMPLIANCE & AUDITING: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.9.1.3.1 Audit Trail Analysis

9.9.1.3.2 Data Privacy Compliance

9.9.1.3.3 Regulatory Reporting

9.9.1.4 Others

TABLE 304 OTHER GOVERNMENT & DEFENSE APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 305 OTHER GOVERNMENT & DEFENSE APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.10 EDUCATION

9.10.1 NEED FOR INSTITUTIONS TO MEET NECESSARY BENCHMARKS AND MAINTAIN HIGH STANDARD OF EDUCATION TO PROPEL USE OF PROCESS MINING STRATEGIES

TABLE 306 PROCESS MINING MARKET, BY EDUCATION APPLICATION, 2018–2022 (USD MILLION)

TABLE 307 PROCESS MINING MARKET, BY EDUCATION APPLICATION,

2023–2028 (USD MILLION)

9.10.1.1 Student Lifecycle Management

TABLE 308 STUDENT LIFECYCLE MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 309 STUDENT LIFECYCLE MANAGEMENT: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.10.1.1.1 Enrollment Process Optimization

9.10.1.1.2 Academic Performance Analysis

9.10.1.1.3 Student Support Services

9.10.1.2 Curriculum & Course Optimization

TABLE 310 CURRICULUM & COURSE OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 311 CURRICULUM & COURSE OPTIMIZATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.10.1.2.1 Curriculum Design Efficiency

9.10.1.2.2 Course Enrollment Analysis

9.10.1.2.3 Learning Outcome Improvement

9.10.1.3 Resource Allocation

TABLE 312 RESOURCE ALLOCATION: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 313 RESOURCE ALLOCATION: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.10.1.3.1 Faculty Workload Balancing

9.10.1.3.2 Infrastructure Utilization

9.10.1.3.3 Budget Allocation Efficiency

9.10.1.4 Others

TABLE 314 OTHER EDUCATION APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 315 OTHER EDUCATION APPLICATIONS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

9.11 OTHER VERTICALS

TABLE 316 OTHER VERTICALS: PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 317 OTHER VERTICALS: PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

10 PROCESS MINING MARKET, BY REGION

10.1 INTRODUCTION

Process Mining Market by Offering (Software (Process Discovery Tools, Conformance Checking Tools), Services),...

FIGURE 43 NORTH AMERICA TO REGISTER HIGHEST GROWTH DURING FORECAST PERIOD

FIGURE 44 US TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 318 PROCESS MINING MARKET, BY REGION, 2018–2022 (USD MILLION)

TABLE 319 PROCESS MINING MARKET, BY REGION, 2023–2028 (USD MILLION)

10.2 NORTH AMERICA

10.2.1 NORTH AMERICA: PROCESS MINING MARKET DRIVERS

10.2.2 NORTH AMERICA: RECESSION IMPACT

FIGURE 45 NORTH AMERICA: PROCESS MINING MARKET SNAPSHOT

TABLE 320 NORTH AMERICA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 321 NORTH AMERICA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 322 NORTH AMERICA: PROCESS MINING MARKET, BY SOFTWARE, 2018–2022 (USD MILLION)

TABLE 323 NORTH AMERICA: PROCESS MINING MARKET, BY SOFTWARE, 2023–2028 (USD MILLION)

TABLE 324 NORTH AMERICA: PROCESS MINING MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 325 NORTH AMERICA: PROCESS MINING MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 326 NORTH AMERICA: PROCESS MINING MARKET, BY MINING ALGORITHM, 2018–2022 (USD MILLION)

TABLE 327 NORTH AMERICA: PROCESS MINING MARKET, BY MINING ALGORITHM, 2023–2028 (USD MILLION)

TABLE 328 NORTH AMERICA: PROCESS MINING MARKET, BY DATA SOURCE, 2018–2022 (USD MILLION)

TABLE 329 NORTH AMERICA: PROCESS MINING MARKET, BY DATA SOURCE, 2023–2028 (USD MILLION)

TABLE 330 NORTH AMERICA: PROCESS MINING MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 331 NORTH AMERICA: PROCESS MINING MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 332 NORTH AMERICA: PROCESS MINING MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 333 NORTH AMERICA: PROCESS MINING MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.2.3 US

10.2.3.1 Rising demand for process mining solutions to contribute to market growth

TABLE 334 US: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 335 US: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.2.4 CANADA

10.2.4.1 Growing adoption of insurance solutions by enterprises to drive market

TABLE 336 CANADA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 337 CANADA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3 EUROPE

10.3.1 EUROPE: PROCESS MINING MARKET DRIVERS

10.3.2 EUROPE: RECESSION IMPACT

FIGURE 46 EUROPE: PROCESS MINING MARKET SNAPSHOT

TABLE 338 EUROPE: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 339 EUROPE: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 340 EUROPE: PROCESS MINING MARKET, BY SOFTWARE, 2018–2022 (USD MILLION)

TABLE 341 EUROPE: PROCESS MINING MARKET, BY SOFTWARE, 2023–2028 (USD MILLION)

TABLE 342 EUROPE: PROCESS MINING MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 343 EUROPE: PROCESS MINING MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 344 EUROPE: PROCESS MINING MARKET, BY MINING ALGORITHM, 2018–2022 (USD MILLION)

TABLE 345 EUROPE: PROCESS MINING MARKET, BY MINING ALGORITHM, 2023–2028 (USD MILLION)

TABLE 346 EUROPE: PROCESS MINING MARKET, BY DATA SOURCE, 2018–2022 (USD MILLION)

TABLE 347 EUROPE: PROCESS MINING MARKET, BY DATA SOURCE, 2023–2028 (USD MILLION)

TABLE 348 EUROPE: PROCESS MINING MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 349 EUROPE: PROCESS MINING MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 350 EUROPE: PROCESS MINING MARKET, BY COUNTRY, 2018–2022 (USD

MILLION)

TABLE 351 EUROPE: PROCESS MINING MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.3.3 UK

10.3.3.1 Surge in demand for operational efficiency and streamlined business processes across diverse industries to drive growth

TABLE 352 UK: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 353 UK: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3.4 GERMANY

10.3.4.1 Growing emphasis on data-driven decision-making and actionable insights to boost market

TABLE 354 GERMANY: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 355 GERMANY: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3.5 FRANCE

10.3.5.1 Robust combination of economic stability and growing awareness regarding transformative potential of process optimization to drive adoption of process mining technologies

TABLE 356 FRANCE: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 357 FRANCE: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3.6 ITALY

10.3.6.1 Need for identifying and addressing inefficiencies in business processes to spur market expansion

TABLE 358 ITALY: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 359 ITALY: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3.7 SPAIN

10.3.7.1 Rising emphasis on recognizing importance of optimizing operational processes to strengthen use of process mining technologies

TABLE 360 SPAIN: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 361 SPAIN: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3.8 NETHERLANDS

10.3.8.1 Need for continuous improvement in businesses to fuel adoption of process mining solutions

TABLE 362 NETHERLANDS: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 363 NETHERLANDS: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.3.9 REST OF EUROPE

TABLE 364 REST OF EUROPE: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 365 REST OF EUROPE: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4 ASIA PACIFIC

10.4.1 ASIA PACIFIC: PROCESS MINING MARKET DRIVERS

10.4.2 ASIA PACIFIC: RECESSION IMPACT

TABLE 366 ASIA PACIFIC: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 367 ASIA PACIFIC: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 368 ASIA PACIFIC: PROCESS MINING MARKET, BY SOFTWARE, 2018–2022 (USD MILLION)

TABLE 369 ASIA PACIFIC: PROCESS MINING MARKET, BY SOFTWARE, 2023–2028 (USD MILLION)

TABLE 370 ASIA PACIFIC: PROCESS MINING MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 371 ASIA PACIFIC: PROCESS MINING MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 372 ASIA PACIFIC: PROCESS MINING MARKET, BY MINING ALGORITHM, 2018–2022 (USD MILLION)

TABLE 373 ASIA PACIFIC: PROCESS MINING MARKET, BY MINING ALGORITHM, 2023–2028 (USD MILLION)

TABLE 374 ASIA PACIFIC: PROCESS MINING MARKET, BY DATA SOURCE, 2018–2022 (USD MILLION)

TABLE 375 ASIA PACIFIC: PROCESS MINING MARKET, BY DATA SOURCE, 2023–2028 (USD MILLION)

TABLE 376 ASIA PACIFIC: PROCESS MINING MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 377 ASIA PACIFIC: PROCESS MINING MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 378 ASIA PACIFIC: PROCESS MINING MARKET, BY COUNTRY, 2018–2022 (USD MILLION)

TABLE 379 ASIA PACIFIC: PROCESS MINING MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

10.4.3 CHINA

10.4.3.1 Rising emphasis on enhancing operational efficiency and gaining competitive edge to drive market

TABLE 380 CHINA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 381 CHINA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4.4 INDIA

10.4.4.1 Growing awareness among businesses regarding potential benefits and transparency of process mining technologies to boost market

TABLE 382 INDIA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 383 INDIA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4.5 JAPAN

10.4.5.1 Rising demand to streamline production processes to leverage process mining solutions

TABLE 384 JAPAN: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 385 JAPAN: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4.6 SOUTH KOREA

10.4.6.1 Increasing investments in advanced analytics and artificial intelligence to drive growth of market

TABLE 386 SOUTH KOREA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 387 SOUTH KOREA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4.7 SINGAPORE

10.4.7.1 Increasing government initiatives and rising use of data analytics to contribute to market growth

TABLE 388 SINGAPORE: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 389 SINGAPORE: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4.8 AUSTRALIA & NEW ZEALAND

10.4.8.1 Strong focus on digital transformation to encourage market expansion

TABLE 390 AUSTRALIA & NEW ZEALAND: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 391 AUSTRALIA & NEW ZEALAND: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.4.9 REST OF ASIA PACIFIC

TABLE 392 REST OF ASIA PACIFIC: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 393 REST OF ASIA PACIFIC: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.5 MIDDLE EAST & AFRICA

10.5.1 MIDDLE EAST & AFRICA: PROCESS MINING MARKET DRIVERS

10.5.2 MIDDLE EAST & AFRICA: RECESSION IMPACT

TABLE 394 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 395 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

TABLE 396 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY SOFTWARE, 2018–2022 (USD MILLION)

TABLE 397 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY SOFTWARE, 2023–2028 (USD MILLION)

TABLE 398 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY SERVICE, 2018–2022 (USD MILLION)

TABLE 399 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY SERVICE, 2023–2028 (USD MILLION)

TABLE 400 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY MINING ALGORITHM, 2018–2022 (USD MILLION)

TABLE 401 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY MINING ALGORITHM, 2023–2028 (USD MILLION)

TABLE 402 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY DATA SOURCE, 2018–2022 (USD MILLION)

TABLE 403 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY DATA SOURCE, 2023–2028 (USD MILLION)

TABLE 404 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY VERTICAL, 2018–2022 (USD MILLION)

TABLE 405 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY VERTICAL, 2023–2028 (USD MILLION)

TABLE 406 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY COUNTRY,

2018–2022 (USD MILLION)

TABLE 407 MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY COUNTRY,
2023–2028 (USD MILLION)

10.5.3 SAUDI ARABIA

10.5.3.1 Government's commitment to digital transformation and innovation to drive market growth

TABLE 408 SAUDI ARABIA: PROCESS MINING MARKET, BY OFFERING,
2018–2022 (USD MILLION)

TABLE 409 SAUDI ARABIA: PROCESS MINING MARKET, BY OFFERING,
2023–2028 (USD MILLION)

10.5.4 UAE

10.5.4.1 Increased investments by governments in emerging technologies to boost market growth

TABLE 410 UAE: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 411 UAE: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.5.5 SOUTH AFRICA

10.5.5.1 Growing recognition of data-driven decision-making to encourage adoption of process mining solutions

TABLE 412 SOUTH AFRICA: PROCESS MINING MARKET, BY OFFERING,
2018–2022 (USD MILLION)

TABLE 413 SOUTH AFRICA: PROCESS MINING MARKET, BY OFFERING,
2023–2028 (USD MILLION)

10.5.6 TURKEY

10.5.6.1 Expansion of telecommunications sector to create opportunities for process mining market players

TABLE 414 TURKEY: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 415 TURKEY: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.5.7 REST OF MIDDLE EAST & AFRICA

TABLE 416 REST OF MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 417 REST OF MIDDLE EAST & AFRICA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.6 LATIN AMERICA

10.6.1 LATIN AMERICA: PROCESS MINING MARKET DRIVERS

10.6.2 LATIN AMERICA: RECESSION IMPACT

TABLE 418 LATIN AMERICA: PROCESS MINING MARKET, BY OFFERING,
2018–2022 (USD MILLION)

TABLE 419 LATIN AMERICA: PROCESS MINING MARKET, BY OFFERING,
2023–2028 (USD MILLION)

TABLE 420 LATIN AMERICA: PROCESS MINING MARKET, BY SOFTWARE,
2018–2022 (USD MILLION)

TABLE 421 LATIN AMERICA: PROCESS MINING MARKET, BY SOFTWARE,
2023–2028 (USD MILLION)

TABLE 422 LATIN AMERICA: PROCESS MINING MARKET, BY SERVICE, 2018–2022
(USD MILLION)

TABLE 423 LATIN AMERICA: PROCESS MINING MARKET, BY SERVICE, 2023–2028
(USD MILLION)

TABLE 424 LATIN AMERICA: PROCESS MINING MARKET, BY MINING
ALGORITHM, 2018–2022 (USD MILLION)

TABLE 425 LATIN AMERICA: PROCESS MINING MARKET, BY MINING
ALGORITHM, 2023–2028 (USD MILLION)

TABLE 426 LATIN AMERICA: PROCESS MINING MARKET, BY DATA SOURCE,
2018–2022 (USD MILLION)

TABLE 427 LATIN AMERICA: PROCESS MINING MARKET, BY DATA SOURCE,
2023–2028 (USD MILLION)

TABLE 428 LATIN AMERICA: PROCESS MINING MARKET, BY VERTICAL,
2018–2022 (USD MILLION)

TABLE 429 LATIN AMERICA: PROCESS MINING MARKET, BY VERTICAL,
2023–2028 (USD MILLION)

TABLE 430 LATIN AMERICA: PROCESS MINING MARKET, BY COUNTRY,
2018–2022 (USD MILLION)

TABLE 431 LATIN AMERICA: PROCESS MINING MARKET, BY COUNTRY,
2023–2028 (USD MILLION)

10.6.3 BRAZIL

10.6.3.1 Growing investments in technology infrastructure to bolster popularity of
process mining technologies

TABLE 432 BRAZIL: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD
MILLION)

TABLE 433 BRAZIL: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD
MILLION)

10.6.4 MEXICO

10.6.4.1 Rapid growth of venture capital ecosystem to encourage start-ups to adopt
process mining technologies

TABLE 434 MEXICO: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD

MILLION)

TABLE 435 MEXICO: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.6.5 ARGENTINA

10.6.5.1 Growing awareness among industries regarding benefits of adopting process mining solutions to boost market

TABLE 436 ARGENTINA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 437 ARGENTINA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

10.6.6 REST OF LATIN AMERICA

TABLE 438 REST OF LATIN AMERICA: PROCESS MINING MARKET, BY OFFERING, 2018–2022 (USD MILLION)

TABLE 439 REST OF LATIN AMERICA: PROCESS MINING MARKET, BY OFFERING, 2023–2028 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 440 STRATEGIES ADOPTED BY KEY PROCESS MINING VENDORS

11.3 REVENUE ANALYSIS FOR KEY PLAYERS

FIGURE 47 BUSINESS SEGMENT REVENUE ANALYSIS, 2018–2022 (USD BILLION)

11.4 MARKET SHARE ANALYSIS

FIGURE 48 MARKET SHARE ANALYSIS FOR KEY PLAYERS, 2022

TABLE 441 PROCESS MINING MARKET: INTENSITY OF COMPETITIVE RIVALRY

11.5 BRAND/PRODUCT COMPARATIVE ANALYSIS

11.5.1 BRAND/PRODUCT COMPARATIVE ANALYSIS, BY PROCESS DISCOVERY SOFTWARE

FIGURE 49 BRAND/PRODUCT COMPARATIVE ANALYSIS, BY PROCESS DISCOVERY SOFTWARE

11.5.1.1 Appian

11.5.1.2 UiPath

11.5.1.3 Automation Anywhere

11.5.1.4 Nintex

11.5.2 BRAND/PRODUCT COMPARATIVE ANALYSIS, BY CONFORMANCE CHECKING SOFTWARE

FIGURE 50 BRAND/PRODUCT COMPARATIVE ANALYSIS, BY CONFORMANCE CHECKING SOFTWARE

11.5.2.1 Celonis

11.5.2.2 Software AG

11.5.2.3 QPR Software

11.5.2.4 Workfellow

11.5.3 BRAND/PRODUCT COMPARATIVE ANALYSIS, BY PROCESS
ENHANCEMENT & OPTIMIZATION SOFTWARE

FIGURE 51 BRAND/PRODUCT COMPARATIVE ANALYSIS, BY PROCESS
ENHANCEMENT & OPTIMIZATION SOFTWARE

11.5.3.1 Apromore

11.5.3.2 Mehrwerk

11.5.3.3 Skan.ai

11.5.3.4 Pegasystems

11.6 COMPANY EVALUATION MATRIX, 2022

11.6.1 STARS

11.6.2 EMERGING LEADERS

11.6.3 PERVASIVE PLAYERS

11.6.4 PARTICIPANTS

FIGURE 52 COMPANY EVALUATION MATRIX FOR KEY PLAYERS, 2022

11.6.5 COMPANY FOOTPRINT

TABLE 442 PRODUCT FOOTPRINT (17 COMPANIES)

TABLE 443 COMPANY FOOTPRINT, BY MINING ALGORITHM (17 COMPANIES)

TABLE 444 COMPANY FOOTPRINT, BY REGION (17 COMPANIES)

TABLE 445 OVERALL FOOTPRINT (17 COMPANIES)

TABLE 446 OVERALL PRODUCT FOOTPRINT ANALYSIS, 2023

11.7 START-UP/SME EVALUATION MATRIX, 2022

11.7.1 PROGRESSIVE COMPANIES

11.7.2 RESPONSIVE COMPANIES

11.7.3 DYNAMIC COMPANIES

11.7.4 STARTING BLOCKS

FIGURE 53 START-UP/SME EVALUATION MATRIX, 2022

11.7.5 COMPETITIVE BENCHMARKING

TABLE 447 DETAILED LIST OF START-UPS/SMES

TABLE 448 COMPETITIVE BENCHMARKING OF START-UPS/SMES

11.8 VALUATION AND FINANCIAL METRICS OF KEY PROCESS MINING VENDORS

FIGURE 54 EV/EBITDA OF KEY PROCESS MINING VENDORS

FIGURE 55 YEAR-TO-DATE (YTD) PRICE TOTAL RETURN AND 5-YEAR STOCK
BETA OF KEY PROCESS MINING VENDORS

11.9 COMPETITIVE SCENARIO AND TRENDS

11.9.1 PRODUCT LAUNCHES & ENHANCEMENTS

TABLE 449 PRODUCT LAUNCHES & ENHANCEMENTS, 2022–2023

11.9.2 DEALS

TABLE 450 DEALS, 2019–2023

12 COMPANY PROFILES

12.1 INTRODUCTION

(Business overview, Products/Solutions/Services offered, Recent developments & MnM View)*

12.2 KEY PLAYERS

12.2.1 IBM

TABLE 451 IBM: BUSINESS OVERVIEW

FIGURE 56 IBM: COMPANY SNAPSHOT

TABLE 452 IBM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 453 IBM: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 454 IBM: DEALS

12.2.2 ABBYY

TABLE 455 ABBYY: BUSINESS OVERVIEW

TABLE 456 ABBYY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 457 ABBYY: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 458 ABBYY: DEALS

12.2.3 CELONIS

TABLE 459 CELONIS: BUSINESS OVERVIEW

TABLE 460 CELONIS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 461 CELONIS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 462 CELONIS: DEALS

12.2.4 UIPATH

TABLE 463 UIPATH: BUSINESS OVERVIEW

FIGURE 57 UIPATH: COMPANY SNAPSHOT

TABLE 464 UIPATH: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 465 UIPATH: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 466 UIPATH: DEALS

12.2.5 SOFTWARE AG

TABLE 467 SOFTWARE AG: BUSINESS OVERVIEW

FIGURE 58 SOFTWARE AG: COMPANY SNAPSHOT

TABLE 468 SOFTWARE AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 469 SOFTWARE AG: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 470 SOFTWARE AG: DEALS

12.2.6 SAP SIGNAVIO

TABLE 471 SAP SIGNAVIO: BUSINESS OVERVIEW

TABLE 472 SAP SIGNAVIO: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 473 SAP SIGNAVIO: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 474 SAP SIGNAVIO: DEALS

12.2.7 MICROSOFT

TABLE 475 MICROSOFT: BUSINESS OVERVIEW

FIGURE 59 MICROSOFT: COMPANY SNAPSHOT

TABLE 476 MICROSOFT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 477 MICROSOFT: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 478 MICROSOFT: DEALS

12.2.8 QPR SOFTWARE

TABLE 479 QPR SOFTWARE: BUSINESS OVERVIEW

FIGURE 60 QPR SOFTWARE: COMPANY SNAPSHOT

TABLE 480 QPR SOFTWARE: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 481 QPR SOFTWARE: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 482 QPR SOFTWARE: DEALS

12.2.9 PEGASYSTEMS

TABLE 483 PEGASYSTEMS: BUSINESS OVERVIEW

FIGURE 61 PEGASYSTEMS: COMPANY SNAPSHOT

TABLE 484 PEGASYSTEMS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 485 PEGASYSTEMS: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 486 PEGASYSTEMS: DEALS

12.2.10 APPIAN

TABLE 487 APPIAN: BUSINESS OVERVIEW

FIGURE 62 APPIAN: COMPANY SNAPSHOT

TABLE 488 APPIAN: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 489 APPIAN: PRODUCT LAUNCHES AND ENHANCEMENTS

TABLE 490 APPIAN: DEALS

12.2.11 SOROCO

12.2.12 MEHRWERK

12.2.13 KOFAX

12.2.14 IGRAFX

12.2.15 NINTEX

12.2.16 AUTOMATION ANYWHERE

12.2.17 HYLAND SOFTWARE

*Details on Business overview, Products/Solutions/Services offered, Recent developments & MnM View might not be captured in case of unlisted companies.

12.3 START-UPS/SMES

12.3.1 APROMORE

- 12.3.2 FLUXICON
- 12.3.3 BUSINESS OPTIX
- 12.3.4 STEREOLOGIC
- 12.3.5 WORKSOFT
- 12.3.6 DATAPOLIS
- 12.3.7 INVERBIS ANALYTICS
- 12.3.8 SKAN.AI
- 12.3.9 MINDZIE
- 12.3.10 CYCLONE ROBOTICS
- 12.3.11 UPFLUX
- 12.3.12 PUZZLEDATA
- 12.3.13 KYP.AI
- 12.3.14 WORKFELLOW

13 ADJACENT AND RELATED MARKETS

13.1 INTRODUCTION

13.2 BUSINESS PROCESS MANAGEMENT (BPM) MARKET

13.2.1 MARKET DEFINITION

13.2.2 MARKET OVERVIEW

13.2.2.1 Business process management market, by component

TABLE 491 BUSINESS PROCESS MANAGEMENT MARKET, BY COMPONENT, 2018–2025 (USD MILLION)

13.2.2.2 Business process management market, by business function

TABLE 492 BUSINESS PROCESS MANAGEMENT MARKET, BY BUSINESS FUNCTION, 2018–2025 (USD MILLION)

13.2.2.3 Business process management market, by deployment mode

TABLE 493 BUSINESS PROCESS MANAGEMENT MARKET, BY DEPLOYMENT TYPE, 2018–2025 (USD MILLION)

13.2.2.4 Business process management market, by organization size

TABLE 494 BUSINESS PROCESS MANAGEMENT MARKET, BY ORGANIZATION SIZE, 2018–2025 (USD MILLION)

13.2.2.5 Business process management market, by industry

TABLE 495 BUSINESS PROCESS MANAGEMENT MARKET, BY INDUSTRY, 2018–2025 (USD MILLION)

13.2.2.6 Business process management market, by region

TABLE 496 BUSINESS PROCESS MANAGEMENT MARKET, BY REGION, 2018–2025 (USD MILLION)

13.3 BUSINESS INTELLIGENCE MARKET

13.3.1 MARKET DEFINITION

13.3.2 MARKET OVERVIEW

13.3.2.1 Business intelligence market, by component

TABLE 497 BUSINESS INTELLIGENCE MARKET, BY COMPONENT, 2016–2019
(USD MILLION)

TABLE 498 BUSINESS INTELLIGENCE MARKET, BY COMPONENT, 2019–2025
(USD MILLION)

13.3.2.2 Business intelligence market, by deployment mode

TABLE 499 BUSINESS INTELLIGENCE MARKET, BY DEPLOYMENT MODE,
2016–2019 (USD MILLION)

TABLE 500 BUSINESS INTELLIGENCE MARKET, BY DEPLOYMENT MODE,
2019–2025 (USD MILLION)

13.3.2.3 Business intelligence market, by organization size

TABLE 501 BUSINESS INTELLIGENCE MARKET, BY ORGANIZATION SIZE,
2016–2019 (USD MILLION)

TABLE 502 BUSINESS INTELLIGENCE MARKET, BY ORGANIZATION SIZE,
2019–2025 (USD MILLION)

13.3.2.4 Business intelligence market, by business function

TABLE 503 BUSINESS INTELLIGENCE MARKET, BY BUSINESS FUNCTION,
2016–2019 (USD MILLION)

TABLE 504 BUSINESS INTELLIGENCE MARKET, BY BUSINESS FUNCTION,
2019–2025 (USD MILLION)

13.3.2.5 Business intelligence market, by industry vertical

TABLE 505 BUSINESS INTELLIGENCE MARKET, BY INDUSTRY VERTICAL,
2016–2019 (USD MILLION)

TABLE 506 BUSINESS INTELLIGENCE MARKET, BY INDUSTRY VERTICAL,
2019–2025 (USD MILLION)

13.3.2.6 Business intelligence market, by region

TABLE 507 BUSINESS INTELLIGENCE MARKET, BY REGION, 2016–2019 (USD
MILLION)

TABLE 508 BUSINESS INTELLIGENCE MARKET, BY REGION, 2019–2025 (USD
MILLION)

14 APPENDIX

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.3 CUSTOMIZATION OPTIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

I would like to order

Product name: Process Mining Market by Offering (Software (Process Discovery Tools, Conformance Checking Tools), Services), Mining Algorithm (Deep Learning, Sequence Analysis), Data Source (ERP Systems, CRM Systems), Vertical and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/P9E442F53A7CEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P9E442F53A7CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970