

# Global Virtual Commissioning Market Growth (Status and Outlook) 2024-2030

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## Abstracts

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Virtual commissioning refers to the process of testing and validating a system or a machine in a virtual environment before its physical implementation or deployment. This approach is commonly used in the field of automation, manufacturing, and control systems. The goal of virtual commissioning is to identify and resolve potential issues in the design and programming of a system before it is built, leading to cost savings, reduced downtime, and improved overall efficiency.

The global Virtual Commissioning market size is projected to grow from US\$ 834 million in 2024 to US\$ 2004 million in 2030; it is expected to grow at a CAGR of 15.7% from 2024 to 2030.

LPI (LP Information)' newest research report, the “Virtual Commissioning Industry Forecast” looks at past sales and reviews total world Virtual Commissioning sales in 2022, providing a comprehensive analysis by region and market sector of projected Virtual Commissioning sales for 2023 through 2029. With Virtual Commissioning sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Virtual Commissioning industry.

This Insight Report provides a comprehensive analysis of the global Virtual Commissioning landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyses the strategies of leading global companies with a focus on Virtual Commissioning portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position

in an accelerating global Virtual Commissioning market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Virtual Commissioning and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Virtual Commissioning.

Key global virtual commissioning manufacturers include Siemens, Rockwell Automation, Dassault Systèmes, ABB, Visual Components (incl. Delphi), Maplesoft, CENIT, MathWorks, Beckhoff Automation, etc. The top three manufacturers account for a total of 52% of the market share, of which Siemens is the largest manufacturer, accounting for 23%. The Asia-Pacific region is the largest market, with a share of 49%. In terms of type, plant and process simulation occupy the major market share, accounting for 65%. In terms of application, automotive & transportation are its largest application areas, with a market share of 36%.

This report presents a comprehensive overview, market shares, and growth opportunities of Virtual Commissioning market by product type, application, key players and key regions and countries.

#### Segmentation by Type:

Plant and Process Simulation

Robotics and Automation Simulation

Others

#### Segmentation by Application:

Aerospace & Defense

Automotive & Transportation

Machine Manufacturing

Energy & Utilities

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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India

Australia

### Europe

Germany

France

UK

Italy

Russia

### Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Siemens

Rockwell Automation

Dassault Syst?mes

ABB

Visual Components (incl. Delfoi)

Maplesoft

CENIT

MathWorks

Beckhoff Automation

HEITEC AG

ISG Industrielle Steuerungstechnik

Robotmaster (Hypertherm)

ArtiMinds

OCTOPUZ

machineering GmbH Co. KG

Xcelgo

RoboDK

drag and bot (KEBA)

FlexSim

F.EE

HEITEC

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