

Global Hydrogen Aircraft - Market and Technology Forecast to 2029

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Abstracts

A hydrogen aircraft is an aeroplane that uses hydrogen fuel as a power source. Hydrogen can either be burned in a jet engine, or other kind of internal combustion engine, or can be used to power a fuel cell to generate electricity to power a propeller. In recent years, Research into hydrogen as a possible energy carrier to power future zero-emission aircraft has been increasing. But the road to hydrogen-powered aircraft necessitates substantial effort inside the aviation industry and beyond. From hydrogen storage, infrastructure, cost to public perceptions about safety, the aviation sector is working to develop the technology while confronting some major challenges.

Market Forecast's latest report "Global Hydrogen Aircraft - Market and Technology Forecast to 2029" examines, analyzes, and predicts the evolution of Hydrogen aircraft technologies, markets, and outlays (expenditures) over the next 8 years – 2021 -2029. It also examines the hydrogen aircraft markets geographically, focusing on the top 95% of global markets, in the United States, Europe, and Asia. In this report we analyze the market size of the Global Hydrogen Aircraft Weapons market for the period 2020 – 2028. We primarily focus on the key markets – Americas, Europe, Asia, Middle East and Africa. The European Union, United States and China are emerging markets. Throughout the report we show how To provide the most thorough and realistic forecast, this report provides a twin-scenario analysis, including "steady state", emergence of Hydrogen aircraft technology.

In this report we have classified Hydrogen aircraft under six (6) major groups. We will research these six major groups and also provide forecast figures from 2021 – 2029.

These major groups are:

1. Region: The regions discussed in this report are:

Americas

Europe

Asia

Middle East

Africa

2. Technology: The technologies that are of utmost importance to this industry are:

Hydrogen Aircraft – Software Technologies

Hydrogen Aircraft – Hardware Technologies

3. Service: The two major services where Hydrogen aircraft can be used are:

Passenger aerial vehicle

Cargo aerial vehicle

4. Platform: The four most important hydrogen aircraft platforms that this report studied are as follows:

Wide body airliners

Narrow body airliners

Regional, short-haul, and feederliner aircraft

Unmanned Aerial Vehicles

5. Range: The different ranges for hydrogen aircraft highlighted in this report are:

Inter City (100 kms - 500 kms)

Short Range (1100 kms - 1500 kms)

Medium Range (2000 kms - 4000 kms)

Long Range (above 4500 kms)

6. End users: We identify the five key end users for hydrogen aircraft:

E-Commerce Companies

Airlines

Military

Government Organizations

In particular, this report provides an in-depth analysis of the following:

Overview: Snapshot of the Hydrogen Aircraft tech in the civilian market during 2021-2029, including highlights of the demand drivers, trends and challenges. It also provides a snapshot of the spending with respect to regions as well as segments. It also sheds light on the emergence of new technologies

Market Dynamics: Insights into the technological developments in the Hydrogen Aircraft market and a detailed analysis of the changing preferences of governments around the world. It also analyzes changing industry structure trends and the challenges faced by the industry participants.

Segment Analysis: Insights into the various systems market from a segmental perspective and a detailed analysis of factors influencing the market for each segment.

Regional Review: Insights into modernization patterns and budgetary allocation

for top countries within a region.

Regional Analysis: Insights into the systems market from a regional perspective and a detailed analysis of factors influencing the market for each region.

Trend Analysis: Key Hydrogen Aircraft markets: Analysis of the key markets in each region, providing an analysis of the various Systems segments expected to be in demand in each region.

Key Program Analysis: Details of the top programs in each segment expected to be executed during the forecast period.

Competitive landscape Analysis: Analysis of competitive landscape of this industry. It provides an overview of key companies, together with insights such as key alliances, strategic initiatives and a brief financial analysis.

Reasons to buy

Determine prospective investment areas based on a detailed trend analysis of the Global Hydrogen Aircraft market over the next eight years

Gain in-depth understanding about the underlying factors driving demand for different systems segments in the top spending countries across the world and identify the opportunities offered by each of them

Strengthen your understanding of the market in terms of demand drivers, industry trends, and the latest technological developments, among others

Identify the major channels that are driving the global small sat business, providing a clear picture about future opportunities that can be tapped, resulting in revenue expansion

Channelize resources by focusing on the ongoing programs that are being undertaken by the ministries of different countries within the hydrogen aircraft market

Make correct business decisions based on thorough analysis of the total competitive landscape of the sector with detailed profiles of the top systems

providers around the world which include information about their products, alliances, recent contract wins and financial analysis wherever available

Related studies:

Global Sustainable Aviation Fuels - Market and Technology Forecast to 2028

Global Business Jets - Market and Technology Forecast to 2028

Global Urban Air Mobility (UAM) - Market and Technology Forecast to 2028

Global Commercial Aircraft Disassembly, Dismantling & Recycling Market Forecast to 2027

Global Aerospace & Defense 3D Printing Market and Technology Forecast to 2026

Global Aerospace & Defense Composites Market and Technology Forecast to 2026

Global Commercial Avionics Market and Technology Forecast to 2026

Contents

1. INTRODUCTION

- 1.1 Objective
- 1.2 Market definition
- 1.3 Methodology
- 1.4 Events based Forecast Scenario
- 1.5 Who will benefit from this report?
 - 1.5.1 Business Leaders & Business Developers
 - 1.5.2 Aircraft Manufacturers
 - 1.5.3 Policy Makers, Analysts and Planners
 - 1.5.4 Tech Companies
- 1.6 Language

2. EXECUTIVE SUMMARY

- 2.1 Hydrogen Aircraft market - Trends and Insights
- 2.2 Coronavirus Pandemic of 2019-2020 – Impact on the Hydrogen Aircraft market
- 2.3 Major Findings
- 2.4 Major Conclusions
- 2.5 Important Tables and Graphs
- 2.6 Number of Hydrogen Aircraft available – Per Region

3. CURRENT AND FUTURE TECHNOLOGY OVERVIEW OF GLOBAL HYDROGEN AIRCRAFT MARKET

- 3.1 Introduction
- 3.2 Types of Infrastructure for Hydrogen Aircraft
- 3.3 Current Technologies
 - 3.3.1 Hydrogen Aircraft – Software Technologies
 - 3.3.2 Hydrogen Aircraft – Hardware Technologies
- 3.4 Future Technologies

4. CURRENT AND FUTURE MARKET OVERVIEW OF THE GLOBAL HYDROGEN AIRCRAFT MARKET

- 4.1 Introduction
- 4.2 Current Markets

- 4.2.1 North America
- 4.2.2 Europe
- 4.2.3 Asia
- 4.2.4 Middle East
- 4.2.5 Rest of The World
- 4.3 Future Markets
- 4.4 How to reach scale
 - 4.4.1 Challenges involved in scaling
 - 4.4.2 Strategy for scaling

5. MARKET ANALYSIS

- 5.1 Introduction
- 5.2 Porter's 5 Forces Analysis
 - 5.2.1 Bargaining power of buyers
 - 5.2.2 Bargaining power of suppliers
 - 5.2.3 Threat of new entrants
 - 5.2.4 Threat of substitutes
 - 5.2.5 Rivalry among existing players
- 5.3 PESTEL Analysis
 - 5.3.1 Political Factors
 - 5.3.2 Economic Factors
 - 5.3.3 Social Factors
 - 5.3.4 Technological Factors
 - 5.3.5 Environmental Factors
 - 5.3.6 Legal Factors
- 5.4 Forecast factors
 - 5.4.1 Scenario 1 – Market Forecast Scenario: Post COVID-19 outbreak
 - 5.4.2 Scenario 2 – Event Based Scenarios: Post COVID-19 outbreak

6. FORECAST – GLOBAL HYDROGEN AIRCRAFT BY REGION TO 2029

- 6.1 Introduction
- 6.2 Global Hydrogen Aircraft by Region overview
 - 6.2.1 Americas- Hydrogen Aircraft Market
 - 6.2.2 Europe- Hydrogen Aircraft Market
 - 6.2.3 Asia- Hydrogen Aircraft Market
 - 6.2.4 Middle East- Hydrogen Aircraft Market
 - 6.2.5 Africa- Hydrogen Aircraft Market

7. FORECAST- GLOBAL HYDROGEN AIRCRAFT BY TECHNOLOGY TO 2029

7.1 Introduction

7.2 Global Hydrogen Aircraft market by Software Technology overview

7.2.1 Global Hydrogen Aircraft by Software Technology- Photogrammetric Software

7.2.2 Global Hydrogen Aircraft by Software Technology- Spatial Data Management Software

7.2.3 Global Hydrogen Aircraft by Software Technology – Computer Aided Design

7.2.4 Global Hydrogen Aircraft by Software Technology – Geographic Information Systems

7.2.5 Global Hydrogen Aircraft by Software Technology – Ground Control Station Software

7.2.6 Global Hydrogen Aircraft by Software Technology – Operating System for Drones

7.2.7 Global Hydrogen Aircraft by Software Technology – Cybersecurity

7.3 Global Hydrogen Aircraft market by Hardware Technology overview

7.3.1 Global Hydrogen Aircraft by Hardware Technology – Airframe

7.3.2 Global Hydrogen Aircraft by Hardware Technology – Hydrogen storage system

7.3.3 Global Hydrogen Aircraft by Hardware Technology – Fuel Cells

7.3.4 Global Hydrogen Aircraft by Hardware Technology – Cell power control device

7.3.5 Global Hydrogen Aircraft by Hardware Technology – Motor

8. FORECAST- GLOBAL HYDROGEN AIRCRAFT BY SERVICE TO 2029

8.1 Introduction

8.2 Global Hydrogen Aircraft by Service overview

8.2.1 Global Hydrogen Aircraft by Service – Passenger Aerial Vehicle

8.2.2 Global Hydrogen Aircraft by Service – Cargo Aerial Vehicle

9. FORECAST- GLOBAL HYDROGEN AIRCRAFT BY PLATFORM TO 2029

9.1 Introduction

9.2 Global Hydrogen Aircraft by Platform overview

9.2.1 Global Hydrogen Aircraft Market – Wide body airliners

9.2.2 Global Hydrogen Aircraft Market – Narrow body airliners

9.2.3 Global Hydrogen Aircraft Market – Regional, short-haul, and feederliner aircraft

9.2.4 Global Hydrogen Aircraft Market – Unmanned Aerial Vehicles

10. FORECAST- GLOBAL HYDROGEN AIRCRAFT BY RANGE TO 2029

10.1 Introduction

10.2 Global Hydrogen Aircraft by Range overview

10.2.1 Global Hydrogen Aircraft Market – Inter City (100 kms - 500 kms)

10.2.2 Global Hydrogen Aircraft – Short Range (1100 kms – 1500 kms)

10.2.3 Global Hydrogen Aircraft - Medium Range (2000 kms - 4000 kms)

10.2.4 Global Hydrogen Aircraft – Long Range (above 4500 kms)

11. FORECAST- GLOBAL HYDROGEN AIRCRAFT BY END USER TO 2029

11.1 Introduction

11.2 Global Hydrogen Aircraft by End User overview

11.2.1 Global Hydrogen Aircraft by End User – E-Commerce companies

11.2.2 Global Hydrogen Aircraft Market by End User – Airlines

11.2.3 Global Hydrogen Aircraft Market by End User - Military

11.2.4 Global Hydrogen Aircraft Market by End User – Government Organizations

12. EVENT FORECAST- GLOBAL HYDROGEN AIRCRAFT TO 2029

12.1 Introduction

12.2 Global Hydrogen Aircraft by Region overview

12.3 Global Hydrogen Aircraft by Technology overview

12.4 Global Hydrogen Aircraft by Service overview

12.5 Global Hydrogen Aircraft by Platform overview

12.6 Global Hydrogen Aircraft by Range overview

12.7 Global Hydrogen Aircraft by End User overview

13. FORECAST FOR THE HYDROGEN AIRCRAFT INFRASTRUCTURE MARKET TO 2029

13.1 Introduction

13.2 Impact of COVID-19 outbreak on events

13.3 Hydrogen Aircraft Infrastructure Forecast

13.4 Hydrogen Aircraft Infrastructure Forecast by Airframe

13.5 Hydrogen Aircraft Infrastructure Forecast by LH2 fuel system

13.6 Hydrogen Aircraft Infrastructure Forecast by Fuel cells

13.7 Hydrogen Aircraft Infrastructure Forecast by Hydrogen direct burning turbines

14. LEADING COMPANIES IN THE GLOBAL HYDROGEN AIRCRAFT MARKET

14.1 Airbus Defence and Space

- 14.1.1 Company profile
- 14.1.2 Products & Services
- 14.1.3 Segment Revenue
- 14.1.4 Financial info (revenues, profit last 5 years)
- 14.1.5 Recent contract wins
- 14.1.6 Recent Projects completed
- 14.1.7 Strategic Alliances
- 14.1.8 SWOT ANALYSIS

14.2 BAE Systems

- 14.2.1 Company profile
- 14.2.2 Products & Services
- 14.2.3 Segment Revenue
- 14.2.4 Financial Info
- 14.2.5 Recent contract wins
- 14.2.6 Recent Projects completed
- 14.2.7 Strategic Alliances
- 14.2.8 SWOT ANALYSIS

14.3 Boeing Co.

- 14.3.1 Company profile
- 14.3.2 Products & Services
- 14.3.3 Segment Revenue
- 14.3.4 Financial Info
- 14.3.5 Recent contract wins
- 14.3.6 Recent Projects completed
- 14.3.7 Strategic Alliances
- 14.3.8 SWOT ANALYSIS

14.4 Israel Aerospace Industries (IAI)

- 14.4.1 Company profile
- 14.4.2 Products & Services
- 14.4.3 Segment Revenue
- 14.4.4 Financial Info
- 14.4.5 Recent contract wins
- 14.4.6 Recent Projects completed
- 14.4.7 Strategic Alliances
- 14.4.8 SWOT ANALYSIS

14.5 Leonardo

- 14.5.1 Company profile
- 14.5.2 Products & Services
- 14.5.3 Segment Revenue
- 14.5.4 Financial Info
- 14.5.5 Recent contract wins
- 14.5.6 Recent Projects completed
- 14.5.7 Strategic Alliances
- 14.5.8 SWOT ANALYSIS
- 14.6 Lockheed Martin
 - 14.6.1 Company profile
 - 14.6.2 Products & Services
 - 14.6.3 Segment Revenue
 - 14.6.4 Financial Info
 - 14.6.5 Recent contract wins
 - 14.6.6 Recent Projects completed
 - 14.6.7 Strategic Alliances
 - 14.6.8 SWOT ANALYSIS
- 14.7 Northrop Grumman Corp.
 - 14.7.1 Company profile
 - 14.7.2 Products & Services
 - 14.7.3 Segment Revenue
 - 14.7.4 Financial Info
 - 14.7.5 Recent contract wins
 - 14.7.6 Recent Projects completed
 - 14.7.7 Strategic Alliances
 - 14.7.8 SWOT Analysis
- 14.8 Saab
 - 14.8.1 Company profile
 - 14.8.2 Products & Services
 - 14.8.3 Segment Revenue
 - 14.8.4 Financial Info
 - 14.8.5 Recent contract wins
 - 14.8.6 Recent Projects completed
 - 14.8.7 Strategic Alliances
 - 14.8.8 SWOT ANALYSIS
- 14.9 Safran
 - 14.9.1 Company profile
 - 14.9.2 Products & Services
 - 14.9.3 Segment Revenue

- 14.9.4 Financial Info
- 14.9.5 Recent contract wins
- 14.9.6 Recent projects completed
- 14.9.7 Strategic Alliances
- 14.9.8 SWOT Analysis
- 14.1 THALES
 - 14.10.1 Company profile
 - 14.10.2 Products & Services
 - 14.10.3 Segment Revenue
 - 14.10.4 Financial Info
 - 14.10.5 Recent contract wins
 - 14.10.6 Recent projects completed
 - 14.10.7 Strategic Alliances
 - 14.10.8 SWOT Analysis
- 14.11 Other Companies of Interest
 - 14.11.1 Airspace Experience Technologies
 - 14.11.2 Alisport Srl
 - 14.11.3 Bell Helicopter
 - 14.11.4 Bye Aerospace
 - 14.11.5 DeLorean Aerospace
 - 14.11.6 DigiSky
 - 14.11.7 Electravia – Helices E Props
 - 14.11.8 Embraer S.A.
 - 14.11.9 EHang
 - 14.11.10 Joby Aviation
 - 14.11.11 Karem Aircraft
 - 14.11.12 Lilium
 - 14.11.13 Volta Volare

15. OPPORTUNITY ANALYSIS

- 15.1 Introduction
- 15.2 Opportunity Analysis Post Coronavirus Outbreak - by Region
- 15.3 Opportunity Analysis Post Coronavirus Outbreak - by Technology
- 15.4 Opportunity Analysis Post Coronavirus Outbreak - by Service
- 15.5 Opportunity Analysis Post Coronavirus Outbreak - by Platform
- 15.6 Opportunity Analysis Post Coronavirus Outbreak - by Range

16. CONCLUSIONS AND RECOMMENDATIONS

- 16.1 Major Conclusions and Recommendations
- 16.2 Fulfilling the business objectives
- 16.3 Coronavirus pandemic relief measures
- 16.4 Marketing and growth lessons post the COVID-19 crisis

17. ABOUT MARKET FORECAST

- 17.1 General
- 17.2 Contact us
- 17.3 Disclaimer
- 17.4 License information
 - 17.4.1 1-User PDF License
 - 17.4.2 5-User PDF License
 - 17.4.3 Site PDF License
 - 17.4.4 Enterprise PDF License

18. APPENDICES

- 18.1 Companies Mentioned
- 18.2 Abbreviations
- 18.3 Related reports

List Of Figures

LIST OF FIGURES

Figure 1: Short range air travel - Passenger demand growth

Figure 2: Market Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Figure 3: Market Forecast – Hydrogen Aircraft by Technology (Software) [US\$ Mn] – 2021- 2029

Figure 4: Market Forecast – Hydrogen Aircraft by Technology (Hardware) [US\$ Mn] – 2021- 2029

Figure 5: Market Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Figure 6: Turbofan Aircraft Engine

Figure 7: Market Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Figure 8: Market Forecast – Hydrogen Aircraft by Range [US\$ Mn] – 2021- 2029

Figure 9: Market Forecast – Hydrogen Aircraft by End User [US\$ Mn] – 2021 - 2029

Figure 10: Market volume development compared to volume per year by Region [US\$ Mn] – 2021- 2029

Figure 11: Market volume development compared to volume per year by Technology (Software) [US\$ Mn] – 2021- 2029

Figure 12: Market volume development compared to volume per year by Technology (Hardware) [US\$ Mn] – 2021- 2029

Figure 13: Estimate for number of hydrogen aircraft – 2021 - 2029

Figure 14: Total number of hydrogen aircraft – 2021 - 2029

Figure 15: Three conceptual hydrogen-fueled airliners from Airbus all combine hydrogen-burning gas turbines with hydrogen fuel cells

Figure 16: Spark Engine

Figure 17: How Hydrogen can be stored

Figure 18: Hydrogen aircraft projects under development worldwide

Figure 19: Percentage share of civil helicopters by Region

Figure 20: Middle East - Growth in total airline seat capacity

Figure 21: Hydrogen Aircraft Market: Regions Classified on Expected Growth Rate

Figure 22: Porter's Five Forces, Global Hydrogen Aircraft Market-2021-2029

Figure 23: PESTEL Analysis, Global Hydrogen Aircraft Market-2021-2029

Figure 24: Market Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Figure 25: Market volume development compared to volume per year by Region [US\$ Mn] – 2021- 2029

Figure 26: Market Forecast – Hydrogen Aircraft by Region - TOTAL [US\$ Mn] – 2021- 2029

Figure 27: Market volume development compared to volume per year by Region -

Americas [US\$ Mn] – 2021- 2029

Figure 28: Market Forecast – Hydrogen Aircraft by Region - Americas [US\$ Mn] – 2021 - 2029

Figure 29: Market Forecast – Hydrogen Aircraft by Region - Americas - TOTAL [US\$ Mn] – 2021 - 2029

Figure 30: Market Forecast – Hydrogen Aircraft by Region - Europe [US\$ Mn] – 2021 - 2029

Figure 31: Market volume development compared to volume per year by Region - Europe [US\$ Mn] – 2021- 2029

Figure 32: Market Forecast – Hydrogen Aircraft by Region - Europe - TOTAL [US\$ Mn] – 2021 - 2029

Figure 33: Market Forecast – Hydrogen Aircraft by Region - Asia [US\$ Mn] – 2021 - 2029

Figure 34: Market volume development compared to volume per year by Region - Asia [US\$ Mn] – 2021- 2029

Figure 35: Market Forecast – Hydrogen Aircraft by Region - Asia – TOTAL [US\$ Mn] – 2021 - 2029

Figure 36: Market Forecast – Hydrogen Aircraft by Region - Middle East [US\$ Mn] – 2021 - 2029

Figure 37: Market volume development compared to volume per year by Region - Middle East [US\$ Mn] – 2021- 2029

Figure 38: Market Forecast – Hydrogen Aircraft by Region - Middle East - TOTAL [US\$ Mn] – 2021 - 2029

Figure 39: Market Forecast – Hydrogen Aircraft by Region - Africa [US\$ Mn] – 2021 - 2029

Figure 40: Market volume development compared to volume per year by Region - Africa [US\$ Mn] – 2021- 2029

Figure 41: Market Forecast – Hydrogen Aircraft by Region - Africa - TOTAL [US\$ Mn] – 2021 - 2029

Figure 42: Market Forecast – Hydrogen Aircraft by Technology (Software) [US\$ Mn] – 2021- 2029

Figure 43: Market volume development compared to volume per year by Technology (Software) - [US\$ Mn] – 2021- 2029

Figure 44: Market Forecast – Hydrogen Aircraft by Technology (Software)- TOTAL [US\$ Mn] – 2021- 2029

Figure 45: Market Forecast – Hydrogen Aircraft by Technology - Photogrammetric Software [US\$ Mn] – 2021-2029

Figure 46: Market volume development compared to volume per year by Technology (Software) - Photogrammetric Software [US\$ Mn] – 2021- 2029

Figure 47: Market Forecast – Hydrogen Aircraft by Technology - Photogrammetric Software - TOTAL [US\$ Mn] – 2021-2029

Figure 48: Market Forecast – Hydrogen Aircraft by Technology - Spatial Data Management Software [US\$ Mn] – 2021-2029

Figure 49: Market volume development compared to volume per year by Technology (Software) - Spatial Data Management [US\$ Mn] – 2021- 2029

Figure 50: Market Forecast – Hydrogen Aircraft by Technology - Spatial Data Management Software - TOTAL [US\$ Mn] – 2021-2029

Figure 51: Market Forecast – Hydrogen Aircraft by Technology - Computer Aided Design [US\$ Mn] – 2021-2029

Figure 52: Market volume development compared to volume per year by Technology (Software) - Computer Aided Design [US\$ Mn] – 2021- 2029

Figure 53: Market Forecast – Hydrogen Aircraft by Technology - Computer Aided Design - TOTAL [US\$ Mn] – 2021-2029

Figure 54: Market Forecast – Hydrogen Aircraft by Technology - Geographic Information Systems [US\$ Mn] – 2021-2029

Figure 55: Market volume development compared to volume per year by Technology (Software) - Geographic Information Systems [US\$ Mn] – 2021- 2029

Figure 56: Market Forecast – Hydrogen Aircraft by Technology - Geographic Information Systems - TOTAL [US\$ Mn] – 2021-2029

Figure 57: Market Forecast – Hydrogen Aircraft by Technology - Ground Control Station Software [US\$ Mn] – 2021-2029

Figure 58: Market volume development compared to volume per year by Technology (Software) - Ground Control Station Software [US\$ Mn] – 2021- 2029

Figure 59: Market Forecast – Hydrogen Aircraft by Technology - Ground Control Station Software - TOTAL [US\$ Mn] – 2021-2029

Figure 60: Market Forecast – Hydrogen Aircraft by Technology - Operating System for Drones [US\$ Mn] – 2021-2029

Figure 61: Market volume development compared to volume per year by Technology (Software) - Operating System for Drones [US\$ Mn] – 2021- 2029

Figure 62: Market Forecast – Hydrogen Aircraft by Technology - Operating System for Drones - TOTAL [US\$ Mn] – 2021-2029

Figure 63: Market Forecast – Hydrogen Aircraft by Technology - Cybersecurity [US\$ Mn] – 2021-2029

Figure 64: Market volume development compared to volume per year by Technology (Software) - Cybersecurity [US\$ Mn] – 2021- 2029

Figure 65: Market Forecast – Hydrogen Aircraft by Technology - Cybersecurity - TOTAL [US\$ Mn] – 2021-2029

Figure 66: Market Forecast – Hydrogen Aircraft by Technology (Hardware) [US\$ Mn] –

2021- 2029

Figure 67: Market volume development compared to volume per year by Hydrogen Aircraft by Technology (Hardware) [US\$ Mn] – 2021- 2029

Figure 68: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - TOTAL [US\$ Mn] – 2021- 2029

Figure 69: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Airframe [US\$ Mn] – 2021 - 2029

Figure 70: Market volume development compared to volume per year by Hydrogen Aircraft by Technology (Hardware) - Airframe [US\$ Mn] – 2021- 2029

Figure 71: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Airframe - TOTAL [US\$ Mn] – 2021 - 2029

Figure 72: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Hydrogen Storage System [US\$ Mn] – 2021 - 2029

Figure 73: Market volume development compared to volume per year by Hydrogen Aircraft by Technology (Hardware) – Hydrogen Storage System [US\$ Mn] – 2021- 2029

Figure 74: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Hydrogen Storage System - TOTAL [US\$ Mn] – 2021 - 2029

Figure 75: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Fuel Cells [US\$ Mn] – 2021 - 2029

Figure 76: Market volume development compared to volume per year by Hydrogen Aircraft by Technology (Hardware) – Fuel Cells [US\$ Mn] – 2021- 2029

Figure 77: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Fuel Cells - TOTAL [US\$ Mn] – 2021 - 2029

Figure 78: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Cell Power Control Device [US\$ Mn] – 2021 - 2029

Figure 79: Market volume development compared to volume per year by Hydrogen Aircraft by Technology (Hardware) – Cell Power Control Device [US\$ Mn] – 2021- 2029

Figure 80: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Cell Power Control Device - TOTAL [US\$ Mn] – 2021 - 2029

Figure 81: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Motor [US\$ Mn] – 2021 - 2029

Figure 82: Market volume development compared to volume per year by Hydrogen Aircraft by Technology (Hardware) – Motor [US\$ Mn] – 2021- 2029

Figure 83: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Motor - TOTAL [US\$ Mn] – 2021 - 2029

Figure 84: Market Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Figure 86: Market Forecast – Hydrogen Aircraft by Service - TOTAL [US\$ Mn] – 2021- 2029

Figure 87: Market Forecast – Hydrogen Aircraft by Service - Passenger Aerial Vehicle

[US\$ Mn] – 2021- 2029

Figure 88: Market volume development compared to volume per year by Hydrogen Aircraft by Service - Passenger Aerial Vehicle [US\$ Mn] – 2021- 2029

Figure 89: Market Forecast – Hydrogen Aircraft by Service - Passenger Aerial Vehicle - TOTAL [US\$ Mn] – 2021- 2029

Figure 90: Market Forecast – Hydrogen Aircraft by Service - Cargo Aerial Vehicle [US\$ Mn] – 2021- 2029

Figure 91: Market volume development compared to volume per year by Hydrogen Aircraft by Service - Cargo Aerial Vehicle [US\$ Mn] – 2021- 2029

Figure 92: Market Forecast – Hydrogen Aircraft by Service - Cargo Aerial Vehicle - TOTAL [US\$ Mn] – 2021- 2029

Figure 93: Market Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Figure 93: Market Forecast – Hydrogen Aircraft by Platform - TOTAL [US\$ Mn] – 2021 - 2029

Figure 96: Market Forecast – Hydrogen Aircraft by Platform - Wide body airliners [US\$ Mn] – 2021 - 2029

Figure 97: Market volume development compared to volume per year by Hydrogen Aircraft by Platform – Wide body airliners [US\$ Mn] – 2021- 2029

Figure 98: Market Forecast – Hydrogen Aircraft by Platform - Wide body airliners - TOTAL [US\$ Mn] – 2021 - 2029

Figure 99: Market Forecast – Hydrogen Aircraft by Platform - Narrow body airliners [US\$ Mn] – 2021 - 2029

Figure 100: Market volume development compared to volume per year by Hydrogen Aircraft by Platform – Narrow body airliners [US\$ Mn] – 2021- 2029

Figure 101: Market Forecast – Hydrogen Aircraft by Platform - Narrow body airliners - TOTAL [US\$ Mn] – 2021 - 2029

Figure 102: Market Forecast – Hydrogen Aircraft by Platform - Regional, short-haul, and feederliner aircraft [US\$ Mn] – 2021 - 2029

Figure 103: Market volume development compared to volume per year by Hydrogen Aircraft by Platform – Regional, short-haul, and feederliner aircraft [US\$ Mn] – 2021- 2029

Figure 104: Market Forecast – Hydrogen Aircraft by Platform - Regional, short-haul, and feederliner aircraft - TOTAL [US\$ Mn] – 2021 - 2029

Figure 105: Market Forecast – Hydrogen Aircraft by Platform - Unmanned Aerial Vehicles [US\$ Mn] – 2021 - 2029

Figure 106: Market volume development compared to volume per year by Hydrogen Aircraft by Platform – Unmanned Aerial Vehicles [US\$ Mn] – 2021- 2029

Figure 107: Market Forecast – Hydrogen Aircraft by Platform - Unmanned Aerial Vehicles - TOTAL [US\$ Mn] – 2021 - 2029

Figure 108: Market Forecast – Hydrogen Aircraft by Range [US\$ Mn] – 2021- 2029

Figure 107: Market Forecast – Hydrogen Aircraft by Range - TOTAL [US\$ Mn] – 2021- 2029

Figure 111: Market Forecast – Hydrogen Aircraft by Range - Inter City [US\$ Mn] – 2021- 2029

Figure 112: Market volume development compared to volume per year by Hydrogen Aircraft by Range - Inter City [US\$ Mn] – 2021- 2029

Figure 113: Market Forecast – Hydrogen Aircraft by Range - Inter City - TOTAL [US\$ Mn] – 2021- 2029

Figure 114: Market Forecast – Hydrogen Aircraft by Range - Short Range [US\$ Mn] – 2021- 2029

Figure 115: Market volume development compared to volume per year by Hydrogen Aircraft by Range - Short Range [US\$ Mn] – 2021- 2029

Figure 116: Market Forecast – Hydrogen Aircraft by Range - Short Range - TOTAL [US\$ Mn] – 2021- 2029

Figure 117: Market Forecast – Hydrogen Aircraft by Range - Medium Range [US\$ Mn] – 2021- 2029

Figure 118: Market volume development compared to volume per year by Hydrogen Aircraft by Range - Medium Range [US\$ Mn] – 2021- 2029

Figure 119: Market Forecast – Hydrogen Aircraft by Range - Medium Range - TOTAL [US\$ Mn] – 2021- 2029

Figure 120: Market Forecast – Hydrogen Aircraft by Range - Long Range [US\$ Mn] – 2021- 2029

Figure 121: Market volume development compared to volume per year by Hydrogen Aircraft by Range - Long Range [US\$ Mn] – 2021- 2029

Figure 122: Market Forecast – Hydrogen Aircraft by Range - Long Range - TOTAL [US\$ Mn] – 2021- 2029

Figure 123: Market Forecast – Hydrogen Aircraft by End User [US\$ Mn] – 2021 - 2029

Figure 121: Market Forecast – Hydrogen Aircraft by End User - TOTAL [US\$ Mn] – 2021 - 2029

Figure 126: Market Forecast – Hydrogen Aircraft by End User - E-Commerce Companies [US\$ Mn] – 2021 - 2029

Figure 127: Market volume development compared to volume per year by Hydrogen Aircraft by End User - E-Commerce Companies [US\$ Mn] – 2021- 2029

Figure 128: Market Forecast – Hydrogen Aircraft by End User - E-Commerce Companies - TOTAL [US\$ Mn] – 2021 - 2029

Figure 129: Market Forecast – Hydrogen Aircraft by End User - Airlines [US\$ Mn] – 2021 - 2029

Figure 130: Market volume development compared to volume per year by Hydrogen

Aircraft by End User - Airlines [US\$ Mn] – 2021- 2029

Figure 131: Market Forecast – Hydrogen Aircraft by End User - Airlines - TOTAL [US\$ Mn] – 2021 - 2029

Figure 132: Market Forecast – Hydrogen Aircraft by End User - Military [US\$ Mn] – 2021 - 2029

Figure 133: Market volume development compared to volume per year by Hydrogen Aircraft by End User - Military [US\$ Mn] – 2021- 2029

Figure 134: Market Forecast – Hydrogen Aircraft by End User - Military - TOTAL [US\$ Mn] – 2021 - 2029

Figure 135: Market Forecast – Hydrogen Aircraft by End User - Government Organizations [US\$ Mn] – 2021 - 2029

Figure 136: Market volume development compared to volume per year by Hydrogen Aircraft by End User - Government Organizations [US\$ Mn] – 2021- 2029

Figure 137: Market Forecast – Hydrogen Aircraft by End User - Government Organizations - TOTAL [US\$ Mn] – 2021 - 2029

Figure 138: Event Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Figure 140: Event Forecast – Hydrogen Aircraft by Region - TOTAL [US\$ Mn] – 2021- 2029

Figure 141: Event Forecast – Hydrogen Aircraft by Technologies [US\$ Mn] – 2021- 2029

Figure 142: Event Forecast – Hydrogen Aircraft by Technologies - TOTAL [US\$ Mn] – 2020- 2028

Figure 143: Event Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Figure 144: Event Forecast – Hydrogen Aircraft by Service - TOTAL [US\$ Mn] – 2021- 2029

Figure 145: Event Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Figure 146: Event Forecast – Hydrogen Aircraft by Platform - TOTAL [US\$ Mn] – 2021 - 2029

Figure 147: Event Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Figure 148: Event Forecast – Hydrogen Aircraft by Platform - TOTAL [US\$ Mn] – 2021 - 2029

Figure 149: Event Forecast – Hydrogen Aircraft by End User [US\$ Mn] – 2021 - 2029

Figure 150: Event Forecast – Hydrogen Aircraft by End User - TOTAL [US\$ Mn] – 2021 - 2029

Figure 151: Market Forecast – Hydrogen Aircraft by Infrastructure [US\$ Mn] – 2021- 2029

Figure 152: Market volume development of Infrastructure for Hydrogen aircraft compared to volume per year - 2021- 2029

Figure 153: Market Forecast – Hydrogen Aircraft by Infrastructure - TOTAL [US\$ Mn] –

2021- 2029

Figure 154: Market Forecast – Hydrogen Aircraft by Infrastructure - Airframe [US\$ Mn] – 2021- 2029

Figure 155: Market Forecast – Hydrogen Aircraft by Infrastructure - Airframe - TOTAL [US\$ Mn] – 2021- 2029

Figure 156: Market Forecast – Hydrogen Aircraft by Infrastructure - LH2 Fuel System [US\$ Mn] – 2021- 2029

Figure 157: Market Forecast – Hydrogen Aircraft by Infrastructure - LH2 Fuel System - TOTAL [US\$ Mn] – 2021- 2029

Figure 158: Market Forecast – Hydrogen Aircraft by Infrastructure - Fuel Cell [US\$ Mn] – 2021- 2029

Figure 159: Market Forecast – Hydrogen Aircraft by Infrastructure - Fuel Cell - TOTAL [US\$ Mn] – 2021- 2029

Figure 160: Market Forecast – Hydrogen Aircraft by Infrastructure - Hydrogen direct burning turbines [US\$ Mn] – 2021- 2029

Figure 161: Market Forecast – Hydrogen Aircraft by Infrastructure - Hydrogen direct burning turbines - TOTAL [US\$ Mn] – 2021- 2029

Figure 162: Airbus Segment Revenue 2019 (in%)

Figure 163: Airbus Revenue 2015-2019 (in US\$ millions)

Figure 164: Airbus Net Income: 2015 - 2019 (in US\$ millions)

Figure 165: Airbus - Financial Information 2015-2019 (US\$ millions)

Figure 166: BAE Segment Revenue (2019)

Figure 167: BAE Total Revenue: 2015 - 2019 (in US\$ millions)

Figure 168: BAE Net Income: 2015 - 2019 (in US\$ millions)

Figure 169: BAE Systems - Financial Information 2015 – 2019 (US\$ millions)

Figure 170: Boeing Segment Revenue 2019 (in %)

Figure 171: Boeing -Revenues 2015-2019 (US\$ millions)

Figure 172: Boeing: Net Income - 2015-2019 (US\$ millions)

Figure 173: The Boeing Company Financial Information 2015-2019 (US\$ millions)

Figure 174: IAI Segment Revenue 2019 (in %)

Figure 175: IAI- Total Revenue 2015-2019 (US\$ millions)

Figure 176: IAI- Net Profit 2015-2019 (US\$ millions)

Figure 177: IAI - Financial Information 2015-2019 (US\$ millions)

Figure 178: Leonardo Segment Revenue 2019 (in %)

Figure 179: Leonardo -Net Revenue 2015-2019 (US\$ millions)

Figure 180: Leonardo – Net Profit 2015-2019 (US\$ millions)

Figure 181: Leonardo Financial Information 2015 – 2019 (US\$ millions)

Figure 182: Lockheed Martin Segment Revenue 2019 (in %)

Figure 183: Lockheed Martin-Total Revenues 2015-2019 (US\$ millions)

- Figure 184: Lockheed Martin- Net Profit 2015-2019 (US\$ millions)
- Figure 185: Lockheed Martin: Financial Information 2015 – 2019 (US\$ millions)
- Figure 186: Northrop Grumman Segment Revenue (in %)
- Figure 187: Northrop Grumman - Total Revenue 2015-2019 (US\$ millions)
- Figure 188: Northrop Grumman - Net Profit 2015-2019 (US\$ millions)
- Figure 189: Northrop Grumman Financial Information 2015-2019 (US\$ millions)
- Figure 190: Saab Segment Revenue 2019 (in %)
- Figure 191: Saab- Total Revenue 2015-2019 (US\$ millions)
- Figure 192: Saab- Net Profit 2015-2019 (US\$ millions)
- Figure 193: Saab Financial Information 2015-2019 (US\$ million)
- Figure 194: Safran Net Profit by Segment in 2019 (in %)
- Figure 195: Safran- Total Sales 2015-2019 (US\$ millions)
- Figure 196: Safran - Operating Income- 2015-2019 (US\$ millions)
- Figure 197: Safran Financial Information 2015-2019 (US\$ million)
- Figure 198: Thales – Sales by Business Segments in 2019 (in %)
- Figure 199: THALES - Sales- 2015-2019 (US\$ million)
- Figure 200: THALES - Operating Income- 2015-2019 (US\$ million)
- Figure 201: THALES Financial Information 2015-2019 (US\$ million)
- Figure 202: Electric Aircraft
- Figure 203: DeLorean's DR-7 aircraft
- Figure 204: Lilium Jet
- Figure 205: Volta Volare's DaVinci Aircraft
- Figure 206: Factors determining success of Opportunity Analysis
- Figure 207: Opportunity Analysis, By Region, (CAGR In Percent), 2021-2029
- Figure 208: Opportunity Analysis, By Technology -Software, (CAGR In Percent), 2021-2029
- Figure 209: Opportunity Analysis, By Technology - Hardware, (CAGR In Percent), 2021-2029
- Figure 210: Opportunity Analysis, By Technology - Service, (CAGR In Percent), 2021-2029
- Figure 211: Opportunity Analysis, By Technology - Platform, (CAGR In Percent), 2021-2029
- Figure 212: Opportunity Analysis, By Technology - Range, (CAGR In Percent), 2021-2029
- Figure 213: Likely timeframes for the availability of analyzed aircraft and engine concepts for hydrogen aircraft service providers
- Figure 214: NASA's concept morphing airplane
- Figure 215: Expected cost of battery technology from 2020 - 2040
- Figure 216: V-Shaped recession

Figure 217: Prevention & Promotion focused moves

Figure 218: Model of a Hydrogen powered aircraft

List Of Tables

LIST OF TABLES

Table 1: Market Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Table 2: Market Forecast – Hydrogen Aircraft by Technology (Software) [US\$ Mn] – 2021- 2029

Table 3: Market Forecast – Hydrogen Aircraft by Technology (Hardware) [US\$ Mn] – 2021- 2029

Table 4: Market Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Table 5: Market Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Table 6: Market Forecast – Hydrogen Aircraft by Range [US\$ Mn] – 2021- 2029

Table 7: Market Forecast – Hydrogen Aircraft by End User [US\$ Mn] – 2021 - 2029

Table 8: Estimate for number of hydrogen aircraft – 2021 - 2029

Table 9: Percentage share of civil helicopters by Region

Table 10: Market Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Table 11: Market Forecast – Hydrogen Aircraft by Region - Americas [US\$ Mn] – 2021 - 2029

Table 12: Market Forecast – Hydrogen Aircraft by Region - Europe [US\$ Mn] – 2021 - 2029

Table 13: Market Forecast – Hydrogen Aircraft by Region - Asia [US\$ Mn] – 2021 - 2029

Table 14: Market Forecast – Hydrogen Aircraft by Region - Middle East [US\$ Mn] – 2021 - 2029

Table 15: Market Forecast – Hydrogen Aircraft by Region - Africa [US\$ Mn] – 2021 - 2029

Table 16: Market Forecast – Hydrogen Aircraft by Technology (Software) [US\$ Mn] – 2021- 2029

Table 17: Market Forecast – Hydrogen Aircraft by Technology - Photogrammetric Software [US\$ Mn] – 2021-2029

Table 18: Market Forecast – Hydrogen Aircraft by Technology - Spatial Data Management Software [US\$ Mn] – 2021-2029

Table 19: Market Forecast – Hydrogen Aircraft by Technology - Computer Aided Design [US\$ Mn] – 2021-2029

Table 20: Market Forecast – Hydrogen Aircraft by Technology - Geographic Information Systems [US\$ Mn] – 2021-2029

Table 21: Market Forecast – Hydrogen Aircraft by Technology - Ground Control Station Software [US\$ Mn] – 2021-2029

Table 22: Market Forecast – Hydrogen Aircraft by Technology - Operating System for

Drones [US\$ Mn] – 2021-2029

Table 23: Market Forecast – Hydrogen Aircraft by Technology - Cybersecurity [US\$ Mn] – 2021-2029

Table 24: Market Forecast – Hydrogen Aircraft by Technology (Hardware) [US\$ Mn] – 2021- 2029

Table 25: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Airframe [US\$ Mn] – 2021 - 2029

Table 26: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Hydrogen Storage System [US\$ Mn] – 2021 - 2029

Table 27: Market Forecast – Hydrogen Aircraft by Technology (Hardware) – Fuel Cells [US\$ Mn] – 2021 - 2029

Table 28: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Cell Power Control Device [US\$ Mn] – 2021 - 2029

Table 29: Market Forecast – Hydrogen Aircraft by Technology (Hardware) - Motor [US\$ Mn] – 2021 - 2029

Table 30: Market Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Table 31: Market Forecast – Hydrogen Aircraft by Service - Passenger Aerial Vehicle [US\$ Mn] – 2021- 2029

Table 32: Market Forecast – Hydrogen Aircraft by Service - Cargo Aerial Vehicle [US\$ Mn] – 2021- 2029

Table 33: Market Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Table 34: Market Forecast – Hydrogen Aircraft by Platform - Wide body airliners [US\$ Mn] – 2021 - 2029

Table 35: Market Forecast – Hydrogen Aircraft by Platform - Narrow body airliners [US\$ Mn] – 2021 - 2029

Table 36: Market Forecast – Hydrogen Aircraft by Platform - Regional, short-haul, and feederliner aircraft [US\$ Mn] – 2021 - 2029

Table 37: Market Forecast – Hydrogen Aircraft by Platform - Unmanned Aerial Vehicles [US\$ Mn] – 2021 - 2029

Table 38: Market Forecast – Hydrogen Aircraft by Range [US\$ Mn] – 2021- 2029

Table 39: Market Forecast – Hydrogen Aircraft by Range - Inter City [US\$ Mn] – 2021- 2029

Table 40: Market Forecast – Hydrogen Aircraft by Range - Short Range [US\$ Mn] – 2021- 2029

Table 41: Market Forecast – Hydrogen Aircraft by Range - Medium Range [US\$ Mn] – 2021- 2029

Table 42: Market Forecast – Hydrogen Aircraft by Range - Long Range [US\$ Mn] – 2021- 2029

Table 43: Market Forecast – Hydrogen Aircraft by End User [US\$ Mn] – 2021 - 2029

Table 44: Market Forecast – Hydrogen Aircraft by End User - E-Commerce Companies [US\$ Mn] – 2021 - 2029

Table 45: Market Forecast – Hydrogen Aircraft by End User - Airlines [US\$ Mn] – 2021 - 2029

Table 46: Market Forecast – Hydrogen Aircraft by End User - Military [US\$ Mn] – 2021 - 2029

Table 47: Market Forecast – Hydrogen Aircraft by End User - Government Organizations [US\$ Mn] – 2021 - 2029

Table 48: Event Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Table 49: Event Forecast – Hydrogen Aircraft by Technologies [US\$ Mn] – 2021- 2029

Table 50: Event Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Table 51: Event Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Table 52: Event Forecast – Hydrogen Aircraft by Range [US\$ Mn] – 2021- 2029

Table 53: Event Forecast – Hydrogen Aircraft by End User [US\$ Mn] – 2021 - 2029

Table 54: Market Forecast – Hydrogen Aircraft by Infrastructure [US\$ Mn] – 2021- 2029

Table 55: Market Forecast – Hydrogen Aircraft by Infrastructure - Airframe [US\$ Mn] – 2021- 2029

Table 56: Market Forecast – Hydrogen Aircraft by Infrastructure - LH2 Fuel System [US\$ Mn] – 2021- 2029

Table 57: Market Forecast – Hydrogen Aircraft by Infrastructure - Fuel Cell [US\$ Mn] – 2021- 2029

Table 58: Market Forecast – Hydrogen Aircraft by Infrastructure - Hydrogen direct burning turbines [US\$ Mn] – 2021- 2029

Table 59: Market Forecast – Hydrogen Aircraft by Region [US\$ Mn] – 2021- 2029

Table 60: Market Forecast – Hydrogen Aircraft by Technology (Software) [US\$ Mn] – 2021- 2029

Table 61: Market Forecast – Hydrogen Aircraft by Technology (Hardware) [US\$ Mn] – 2021- 2029

Table 62: Market Forecast – Hydrogen Aircraft by Service [US\$ Mn] – 2021- 2029

Table 63: Market Forecast – Hydrogen Aircraft by Platform [US\$ Mn] – 2021 - 2029

Table 64: Market Forecast – Hydrogen Aircraft by Range [US\$ Mn] – 2021- 2029

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