

# Global Portable Pilot Unit Market Growth 2026-2032

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## Abstracts

The global Portable Pilot Unit market size is predicted to grow from US\$ 78.77 million in 2025 to US\$ 138 million in 2032; it is expected to grow at a CAGR of 8.5% from 2026 to 2032.

Acre meter is an absolutely tamper-proof counter for machines and can be used with both transport wheels or gauge/support wheels. It can be used to count the worked area, the distance, or only the number of revolutions. The PPU portable pilot terminal is a high-precision navigation device designed for pilots, usually composed of GNSS (Global Navigation Satellite System), AIS (Automatic Identification System), Inertial Navigation System (INS) and Electronic Navigation Chart (ENC) and other technologies. The PPU can provide real-time key data such as ship position, speed, heading, turning rate, etc., and connect to the pilot's tablet or laptop computer through wireless or wired means to assist in precise ship manipulation. It is particularly suitable for complex pilotage tasks such as port berthing, narrow water navigation, crossing under bridges and LNG ship docking.

The Portable Pilot Unit (PPU) is an advanced navigation aid designed for maritime pilots, offering high-precision positioning, speed, heading, and tidal information. Typically equipped with a high-precision GNSS receiver, an Inertial Measurement Unit (IMU), wireless data transmission modules, and dedicated piloting software, the PPU enhances navigational accuracy and safety, especially in confined waterways, ports, and challenging docking maneuvers. As the global shipping industry increasingly prioritizes safety and efficiency, PPU systems are becoming essential tools in modern pilotage. One of the key advantages of PPU is its precision and real-time capabilities. Unlike traditional onboard navigation systems, PPU provides centimeter-level accuracy, ensuring safe maneuvering in restricted areas such as harbors and under bridges. By integrating AIS (Automatic Identification System) and VTS (Vessel Traffic Services) data, PPU offers real-time situational awareness, reducing human error and improving

pilot decision-making. Another major benefit is portability and independence. Unlike ship-based navigation systems, the PPU operates as a standalone unit that pilots can carry and deploy quickly. Even in cases of onboard system failures or limited access to ship data, the PPU provides reliable and independent navigational information, enhancing flexibility and safety. The integration of smart features and data fusion is a key trend in PPU development. Modern PPUs now incorporate tide predictions, weather forecasting, and collision avoidance assistance. Advanced models also support AR (Augmented Reality) overlays, enhancing situational awareness by combining navigation data with real-world visuals. Despite its advantages, the adoption of PPU faces challenges such as cost and training requirements. High-precision GNSS and inertial navigation systems are expensive, and regulatory variations between ports and countries may slow widespread adoption. Additionally, proper training is essential to ensure pilots can fully utilize PPU functionalities. Overall, PPU portable pilot units are transforming modern pilotage by improving navigation accuracy, safety, and efficiency. As emerging technologies like 5G, AI, and big data continue to evolve, PPUs are expected to become even more automated and intelligent, providing next-generation solutions for global maritime navigation.

LP Information, Inc. (LPI) ' newest research report, the "Portable Pilot Unit Industry Forecast" looks at past sales and reviews total world Portable Pilot Unit sales in 2025, providing a comprehensive analysis by region and market sector of projected Portable Pilot Unit sales for 2026 through 2032. With Portable Pilot Unit sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Portable Pilot Unit industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Portable Pilot Unit 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 Portable Pilot Unit.

This report presents a comprehensive overview, market shares, and growth opportunities of Portable Pilot Unit market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Standard PPU

High-precision PPU

Segmentation by Application:

Port Pilotage

Inland Navigation

Ocean Pilotage

Other

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

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

Navicom Dynamics

CADDEN

AD Navigation

Prosertek

SevenCs

Trelleborg

NavSim Technology

Centin Maritime Navigation Science

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Portable Pilot Unit market?

What factors are driving Portable Pilot Unit market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Portable Pilot Unit market opportunities vary by end market size?

How does Portable Pilot Unit break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
  - 2.1.1 Global Portable Pilot Unit Annual Sales 2021-2032
  - 2.1.2 World Current & Future Analysis for Portable Pilot Unit by Geographic Region, 2021, 2025 & 2032
  - 2.1.3 World Current & Future Analysis for Portable Pilot Unit by Country/Region, 2021, 2025 & 2032
- 2.2 Portable Pilot Unit Segment by Type
  - 2.2.1 Standard PPU
  - 2.2.2 High-precision PPU
  - 2.2.3 Portable Pilot Unit Sales by Type
    - 2.2.3.1 Global Portable Pilot Unit Sales Market Share by Type (2021-2026)
    - 2.2.3.2 Global Portable Pilot Unit Revenue and Market Share by Type (2021-2026)
    - 2.2.3.3 Global Portable Pilot Unit Sale Price by Type (2021-2026)
- 2.3 Portable Pilot Unit Segment by Application
  - 2.3.1 Port Pilotage
  - 2.3.2 Inland Navigation
  - 2.3.3 Ocean Pilotage
  - 2.3.4 Other
  - 2.3.5 Portable Pilot Unit Sales by Application
    - 2.3.5.1 Global Portable Pilot Unit Sale Market Share by Application (2021-2026)
    - 2.3.5.2 Global Portable Pilot Unit Revenue and Market Share by Application (2021-2026)
    - 2.3.5.3 Global Portable Pilot Unit Sale Price by Application (2021-2026)

### **3 GLOBAL BY COMPANY**

- 3.1 Global Portable Pilot Unit Breakdown Data by Company
  - 3.1.1 Global Portable Pilot Unit Annual Sales by Company (2021-2026)
  - 3.1.2 Global Portable Pilot Unit Sales Market Share by Company (2021-2026)
- 3.2 Global Portable Pilot Unit Annual Revenue by Company (2021-2026)
  - 3.2.1 Global Portable Pilot Unit Revenue by Company (2021-2026)
  - 3.2.2 Global Portable Pilot Unit Revenue Market Share by Company (2021-2026)
- 3.3 Global Portable Pilot Unit Sale Price by Company
- 3.4 Key Manufacturers Portable Pilot Unit Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Portable Pilot Unit Product Location Distribution
  - 3.4.2 Players Portable Pilot Unit Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR PORTABLE PILOT UNIT BY GEOGRAPHIC REGION**

- 4.1 World Historic Portable Pilot Unit Market Size by Geographic Region (2021-2026)
  - 4.1.1 Global Portable Pilot Unit Annual Sales by Geographic Region (2021-2026)
  - 4.1.2 Global Portable Pilot Unit Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Portable Pilot Unit Market Size by Country/Region (2021-2026)
  - 4.2.1 Global Portable Pilot Unit Annual Sales by Country/Region (2021-2026)
  - 4.2.2 Global Portable Pilot Unit Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Portable Pilot Unit Sales Growth
- 4.4 APAC Portable Pilot Unit Sales Growth
- 4.5 Europe Portable Pilot Unit Sales Growth
- 4.6 Middle East & Africa Portable Pilot Unit Sales Growth

### **5 AMERICAS**

- 5.1 Americas Portable Pilot Unit Sales by Country
  - 5.1.1 Americas Portable Pilot Unit Sales by Country (2021-2026)
  - 5.1.2 Americas Portable Pilot Unit Revenue by Country (2021-2026)
- 5.2 Americas Portable Pilot Unit Sales by Type (2021-2026)

### 5.3 Americas Portable Pilot Unit Sales by Application (2021-2026)

#### 5.4 United States

#### 5.5 Canada

#### 5.6 Mexico

#### 5.7 Brazil

## 6 APAC

### 6.1 APAC Portable Pilot Unit Sales by Region

#### 6.1.1 APAC Portable Pilot Unit Sales by Region (2021-2026)

#### 6.1.2 APAC Portable Pilot Unit Revenue by Region (2021-2026)

### 6.2 APAC Portable Pilot Unit Sales by Type (2021-2026)

### 6.3 APAC Portable Pilot Unit Sales by Application (2021-2026)

#### 6.4 China

#### 6.5 Japan

#### 6.6 South Korea

#### 6.7 Southeast Asia

#### 6.8 India

#### 6.9 Australia

#### 6.10 China Taiwan

## 7 EUROPE

### 7.1 Europe Portable Pilot Unit by Country

#### 7.1.1 Europe Portable Pilot Unit Sales by Country (2021-2026)

#### 7.1.2 Europe Portable Pilot Unit Revenue by Country (2021-2026)

### 7.2 Europe Portable Pilot Unit Sales by Type (2021-2026)

### 7.3 Europe Portable Pilot Unit Sales by Application (2021-2026)

#### 7.4 Germany

#### 7.5 France

#### 7.6 UK

#### 7.7 Italy

#### 7.8 Russia

## 8 MIDDLE EAST & AFRICA

### 8.1 Middle East & Africa Portable Pilot Unit by Country

#### 8.1.1 Middle East & Africa Portable Pilot Unit Sales by Country (2021-2026)

#### 8.1.2 Middle East & Africa Portable Pilot Unit Revenue by Country (2021-2026)

- 8.2 Middle East & Africa Portable Pilot Unit Sales by Type (2021-2026)
- 8.3 Middle East & Africa Portable Pilot Unit Sales by Application (2021-2026)
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Portable Pilot Unit
- 10.3 Manufacturing Process Analysis of Portable Pilot Unit
- 10.4 Industry Chain Structure of Portable Pilot Unit

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Portable Pilot Unit Distributors
- 11.3 Portable Pilot Unit Customer

## **12 WORLD FORECAST REVIEW FOR PORTABLE PILOT UNIT BY GEOGRAPHIC REGION**

- 12.1 Global Portable Pilot Unit Market Size Forecast by Region
  - 12.1.1 Global Portable Pilot Unit Forecast by Region (2027-2032)
  - 12.1.2 Global Portable Pilot Unit Annual Revenue Forecast by Region (2027-2032)
- 12.2 Americas Forecast by Country (2027-2032)
- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Portable Pilot Unit Forecast by Type (2027-2032)

12.7 Global Portable Pilot Unit Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Navicom Dynamics

13.1.1 Navicom Dynamics Company Information

13.1.2 Navicom Dynamics Portable Pilot Unit Product Portfolios and Specifications

13.1.3 Navicom Dynamics Portable Pilot Unit Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.1.4 Navicom Dynamics Main Business Overview

13.1.5 Navicom Dynamics Latest Developments

### 13.2 CADDEN

13.2.1 CADDEN Company Information

13.2.2 CADDEN Portable Pilot Unit Product Portfolios and Specifications

13.2.3 CADDEN Portable Pilot Unit Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.2.4 CADDEN Main Business Overview

13.2.5 CADDEN Latest Developments

### 13.3 AD Navigation

13.3.1 AD Navigation Company Information

13.3.2 AD Navigation Portable Pilot Unit Product Portfolios and Specifications

13.3.3 AD Navigation Portable Pilot Unit Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.3.4 AD Navigation Main Business Overview

13.3.5 AD Navigation Latest Developments

### 13.4 Prosertek

13.4.1 Prosertek Company Information

13.4.2 Prosertek Portable Pilot Unit Product Portfolios and Specifications

13.4.3 Prosertek Portable Pilot Unit Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.4.4 Prosertek Main Business Overview

13.4.5 Prosertek Latest Developments

### 13.5 SevenCs

13.5.1 SevenCs Company Information

13.5.2 SevenCs Portable Pilot Unit Product Portfolios and Specifications

13.5.3 SevenCs Portable Pilot Unit Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.5.4 SevenCs Main Business Overview

13.5.5 SevenCs Latest Developments

13.6 Trelleborg

13.6.1 Trelleborg Company Information

13.6.2 Trelleborg Portable Pilot Unit Product Portfolios and Specifications

13.6.3 Trelleborg Portable Pilot Unit Sales, Revenue, Price and Gross Margin  
(2021-2026)

13.6.4 Trelleborg Main Business Overview

13.6.5 Trelleborg Latest Developments

13.7 NavSim Technology

13.7.1 NavSim Technology Company Information

13.7.2 NavSim Technology Portable Pilot Unit Product Portfolios and Specifications

13.7.3 NavSim Technology Portable Pilot Unit Sales, Revenue, Price and Gross  
Margin (2021-2026)

13.7.4 NavSim Technology Main Business Overview

13.7.5 NavSim Technology Latest Developments

13.8 Cenkin Maritime Navigation Science

13.8.1 Cenkin Maritime Navigation Science Company Information

13.8.2 Cenkin Maritime Navigation Science Portable Pilot Unit Product Portfolios and  
Specifications

13.8.3 Cenkin Maritime Navigation Science Portable Pilot Unit Sales, Revenue, Price  
and Gross Margin (2021-2026)

13.8.4 Cenkin Maritime Navigation Science Main Business Overview

13.8.5 Cenkin Maritime Navigation Science Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Portable Pilot Unit Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Portable Pilot Unit Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Standard PPU
- Table 4. Major Players of High-precision PPU
- Table 5. Global Portable Pilot Unit Sales by Type (2021-2026) & (K Units)
- Table 6. Global Portable Pilot Unit Sales Market Share by Type (2021-2026)
- Table 7. Global Portable Pilot Unit Revenue by Type (2021-2026) & (\$ million)
- Table 8. Global Portable Pilot Unit Revenue Market Share by Type (2021-2026)
- Table 9. Global Portable Pilot Unit Sale Price by Type (2021-2026) & (US\$/Unit)
- Table 10. Global Portable Pilot Unit Sale by Application (2021-2026) & (K Units)
- Table 11. Global Portable Pilot Unit Sale Market Share by Application (2021-2026)
- Table 12. Global Portable Pilot Unit Revenue by Application (2021-2026) & (\$ million)
- Table 13. Global Portable Pilot Unit Revenue Market Share by Application (2021-2026)
- Table 14. Global Portable Pilot Unit Sale Price by Application (2021-2026) & (US\$/Unit)
- Table 15. Global Portable Pilot Unit Sales by Company (2021-2026) & (K Units)
- Table 16. Global Portable Pilot Unit Sales Market Share by Company (2021-2026)
- Table 17. Global Portable Pilot Unit Revenue by Company (2021-2026) & (\$ millions)
- Table 18. Global Portable Pilot Unit Revenue Market Share by Company (2021-2026)
- Table 19. Global Portable Pilot Unit Sale Price by Company (2021-2026) & (US\$/Unit)
- Table 20. Key Manufacturers Portable Pilot Unit Producing Area Distribution and Sales Area
- Table 21. Players Portable Pilot Unit Products Offered
- Table 22. Portable Pilot Unit Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- Table 23. New Products and Potential Entrants
- Table 24. Market M&A Activity & Strategy
- Table 25. Global Portable Pilot Unit Sales by Geographic Region (2021-2026) & (K Units)
- Table 26. Global Portable Pilot Unit Sales Market Share Geographic Region (2021-2026)
- Table 27. Global Portable Pilot Unit Revenue by Geographic Region (2021-2026) & (\$ millions)
- Table 28. Global Portable Pilot Unit Revenue Market Share by Geographic Region (2021-2026)

- Table 29. Global Portable Pilot Unit Sales by Country/Region (2021-2026) & (K Units)
- Table 30. Global Portable Pilot Unit Sales Market Share by Country/Region (2021-2026)
- Table 31. Global Portable Pilot Unit Revenue by Country/Region (2021-2026) & (\$ millions)
- Table 32. Global Portable Pilot Unit Revenue Market Share by Country/Region (2021-2026)
- Table 33. Americas Portable Pilot Unit Sales by Country (2021-2026) & (K Units)
- Table 34. Americas Portable Pilot Unit Sales Market Share by Country (2021-2026)
- Table 35. Americas Portable Pilot Unit Revenue by Country (2021-2026) & (\$ millions)
- Table 36. Americas Portable Pilot Unit Sales by Type (2021-2026) & (K Units)
- Table 37. Americas Portable Pilot Unit Sales by Application (2021-2026) & (K Units)
- Table 38. APAC Portable Pilot Unit Sales by Region (2021-2026) & (K Units)
- Table 39. APAC Portable Pilot Unit Sales Market Share by Region (2021-2026)
- Table 40. APAC Portable Pilot Unit Revenue by Region (2021-2026) & (\$ millions)
- Table 41. APAC Portable Pilot Unit Sales by Type (2021-2026) & (K Units)
- Table 42. APAC Portable Pilot Unit Sales by Application (2021-2026) & (K Units)
- Table 43. Europe Portable Pilot Unit Sales by Country (2021-2026) & (K Units)
- Table 44. Europe Portable Pilot Unit Revenue by Country (2021-2026) & (\$ millions)
- Table 45. Europe Portable Pilot Unit Sales by Type (2021-2026) & (K Units)
- Table 46. Europe Portable Pilot Unit Sales by Application (2021-2026) & (K Units)
- Table 47. Middle East & Africa Portable Pilot Unit Sales by Country (2021-2026) & (K Units)
- Table 48. Middle East & Africa Portable Pilot Unit Revenue Market Share by Country (2021-2026)
- Table 49. Middle East & Africa Portable Pilot Unit Sales by Type (2021-2026) & (K Units)
- Table 50. Middle East & Africa Portable Pilot Unit Sales by Application (2021-2026) & (K Units)
- Table 51. Key Market Drivers & Growth Opportunities of Portable Pilot Unit
- Table 52. Key Market Challenges & Risks of Portable Pilot Unit
- Table 53. Key Industry Trends of Portable Pilot Unit
- Table 54. Portable Pilot Unit Raw Material
- Table 55. Key Suppliers of Raw Materials
- Table 56. Portable Pilot Unit Distributors List
- Table 57. Portable Pilot Unit Customer List
- Table 58. Global Portable Pilot Unit Sales Forecast by Region (2027-2032) & (K Units)
- Table 59. Global Portable Pilot Unit Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 60. Americas Portable Pilot Unit Sales Forecast by Country (2027-2032) & (K

Units)

Table 61. Americas Portable Pilot Unit Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 62. APAC Portable Pilot Unit Sales Forecast by Region (2027-2032) & (K Units)

Table 63. APAC Portable Pilot Unit Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 64. Europe Portable Pilot Unit Sales Forecast by Country (2027-2032) & (K Units)

Table 65. Europe Portable Pilot Unit Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 66. Middle East & Africa Portable Pilot Unit Sales Forecast by Country (2027-2032) & (K Units)

Table 67. Middle East & Africa Portable Pilot Unit Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global Portable Pilot Unit Sales Forecast by Type (2027-2032) & (K Units)

Table 69. Global Portable Pilot Unit Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global Portable Pilot Unit Sales Forecast by Application (2027-2032) & (K Units)

Table 71. Global Portable Pilot Unit Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Navicom Dynamics Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 73. Navicom Dynamics Portable Pilot Unit Product Portfolios and Specifications

Table 74. Navicom Dynamics Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 75. Navicom Dynamics Main Business

Table 76. Navicom Dynamics Latest Developments

Table 77. CADDEN Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 78. CADDEN Portable Pilot Unit Product Portfolios and Specifications

Table 79. CADDEN Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 80. CADDEN Main Business

Table 81. CADDEN Latest Developments

Table 82. AD Navigation Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 83. AD Navigation Portable Pilot Unit Product Portfolios and Specifications

Table 84. AD Navigation Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 85. AD Navigation Main Business

Table 86. AD Navigation Latest Developments

Table 87. Prosertek Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 88. Prosertek Portable Pilot Unit Product Portfolios and Specifications

Table 89. Prosertek Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Prosertek Main Business

Table 91. Prosertek Latest Developments

Table 92. SevenCs Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 93. SevenCs Portable Pilot Unit Product Portfolios and Specifications

Table 94. SevenCs Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. SevenCs Main Business

Table 96. SevenCs Latest Developments

Table 97. Trelleborg Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 98. Trelleborg Portable Pilot Unit Product Portfolios and Specifications

Table 99. Trelleborg Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Trelleborg Main Business

Table 101. Trelleborg Latest Developments

Table 102. NavSim Technology Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 103. NavSim Technology Portable Pilot Unit Product Portfolios and Specifications

Table 104. NavSim Technology Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. NavSim Technology Main Business

Table 106. NavSim Technology Latest Developments

Table 107. Cenkin Maritime Navigation Science Basic Information, Portable Pilot Unit Manufacturing Base, Sales Area and Its Competitors

Table 108. Cenkin Maritime Navigation Science Portable Pilot Unit Product Portfolios and Specifications

Table 109. Cenkin Maritime Navigation Science Portable Pilot Unit Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. Cenkin Maritime Navigation Science Main Business

Table 111. Cenkin Maritime Navigation Science Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Portable Pilot Unit
- Figure 2. Portable Pilot Unit Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Portable Pilot Unit Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Portable Pilot Unit Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Portable Pilot Unit Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Portable Pilot Unit Sales Market Share by Country/Region (2025)
- Figure 10. Portable Pilot Unit Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Standard PPU
- Figure 12. Product Picture of High-precision PPU
- Figure 13. Global Portable Pilot Unit Sales Market Share by Type in 2026
- Figure 14. Global Portable Pilot Unit Revenue Market Share by Type (2021-2026)
- Figure 15. Portable Pilot Unit Consumed in Port Pilotage
- Figure 16. Global Portable Pilot Unit Market: Port Pilotage (2021-2026) & (K Units)
- Figure 17. Portable Pilot Unit Consumed in Inland Navigation
- Figure 18. Global Portable Pilot Unit Market: Inland Navigation (2021-2026) & (K Units)
- Figure 19. Portable Pilot Unit Consumed in Ocean Pilotage
- Figure 20. Global Portable Pilot Unit Market: Ocean Pilotage (2021-2026) & (K Units)
- Figure 21. Portable Pilot Unit Consumed in Other
- Figure 22. Global Portable Pilot Unit Market: Other (2021-2026) & (K Units)
- Figure 23. Global Portable Pilot Unit Sale Market Share by Application (2025)
- Figure 24. Global Portable Pilot Unit Revenue Market Share by Application in 2026
- Figure 25. Portable Pilot Unit Sales by Company in 2026 (K Units)
- Figure 26. Global Portable Pilot Unit Sales Market Share by Company in 2026
- Figure 27. Portable Pilot Unit Revenue by Company in 2026 (\$ millions)
- Figure 28. Global Portable Pilot Unit Revenue Market Share by Company in 2026
- Figure 29. Global Portable Pilot Unit Sales Market Share by Geographic Region (2021-2026)
- Figure 30. Global Portable Pilot Unit Revenue Market Share by Geographic Region in 2026
- Figure 31. Americas Portable Pilot Unit Sales 2021-2026 (K Units)

- Figure 32. Americas Portable Pilot Unit Revenue 2021-2026 (\$ millions)
- Figure 33. APAC Portable Pilot Unit Sales 2021-2026 (K Units)
- Figure 34. APAC Portable Pilot Unit Revenue 2021-2026 (\$ millions)
- Figure 35. Europe Portable Pilot Unit Sales 2021-2026 (K Units)
- Figure 36. Europe Portable Pilot Unit Revenue 2021-2026 (\$ millions)
- Figure 37. Middle East & Africa Portable Pilot Unit Sales 2021-2026 (K Units)
- Figure 38. Middle East & Africa Portable Pilot Unit Revenue 2021-2026 (\$ millions)
- Figure 39. Americas Portable Pilot Unit Sales Market Share by Country in 2026
- Figure 40. Americas Portable Pilot Unit Revenue Market Share by Country (2021-2026)
- Figure 41. Americas Portable Pilot Unit Sales Market Share by Type (2021-2026)
- Figure 42. Americas Portable Pilot Unit Sales Market Share by Application (2021-2026)
- Figure 43. United States Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 44. Canada Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 45. Mexico Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 46. Brazil Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 47. APAC Portable Pilot Unit Sales Market Share by Region in 2026
- Figure 48. APAC Portable Pilot Unit Revenue Market Share by Region (2021-2026)
- Figure 49. APAC Portable Pilot Unit Sales Market Share by Type (2021-2026)
- Figure 50. APAC Portable Pilot Unit Sales Market Share by Application (2021-2026)
- Figure 51. China Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 52. Japan Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 53. South Korea Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 54. Southeast Asia Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 55. India Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 56. Australia Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 57. China Taiwan Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 58. Europe Portable Pilot Unit Sales Market Share by Country in 2026
- Figure 59. Europe Portable Pilot Unit Revenue Market Share by Country (2021-2026)
- Figure 60. Europe Portable Pilot Unit Sales Market Share by Type (2021-2026)
- Figure 61. Europe Portable Pilot Unit Sales Market Share by Application (2021-2026)
- Figure 62. Germany Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 63. France Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 64. UK Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 65. Italy Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 66. Russia Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)
- Figure 67. Middle East & Africa Portable Pilot Unit Sales Market Share by Country (2021-2026)
- Figure 68. Middle East & Africa Portable Pilot Unit Sales Market Share by Type (2021-2026)

Figure 69. Middle East & Africa Portable Pilot Unit Sales Market Share by Application (2021-2026)

Figure 70. Egypt Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)

Figure 71. South Africa Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)

Figure 72. Israel Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)

Figure 73. Turkey Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)

Figure 74. GCC Countries Portable Pilot Unit Revenue Growth 2021-2026 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Portable Pilot Unit in 2026

Figure 76. Manufacturing Process Analysis of Portable Pilot Unit

Figure 77. Industry Chain Structure of Portable Pilot Unit

Figure 78. Channels of Distribution

Figure 79. Global Portable Pilot Unit Sales Market Forecast by Region (2027-2032)

Figure 80. Global Portable Pilot Unit Revenue Market Share Forecast by Region (2027-2032)

Figure 81. Global Portable Pilot Unit Sales Market Share Forecast by Type (2027-2032)

Figure 82. Global Portable Pilot Unit Revenue Market Share Forecast by Type (2027-2032)

Figure 83. Global Portable Pilot Unit Sales Market Share Forecast by Application (2027-2032)

Figure 84. Global Portable Pilot Unit Revenue Market Share Forecast by Application (2027-2032)

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