

# **Global Interferometric Synthetic Aperture Radar (InSAR) Supply, Demand and Key Producers, 2026-2032**

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## **Abstracts**

The global Interferometric Synthetic Aperture Radar (InSAR) market size is expected to reach \$ 930 million by 2032, rising at a market growth of 10.7% CAGR during the forecast period (2026-2032).

Interferometric synthetic aperture radar, abbreviated InSAR, is a radar technique used in geodesy and remote sensing. This geodetic method uses two or more synthetic aperture radar (SAR) images to generate maps of surface deformation or digital elevation, using differences in the phase of the waves returning to the satellite or aircraft. The technique can potentially measure millimetre-scale changes in deformation over spans of days to years. It has applications for geophysical monitoring of natural hazards, for example earthquakes, volcanoes and landslides, and in structural engineering, in particular monitoring of subsidence and structural stability.

Global Interferometric Synthetic Aperture Radar (InSAR) key players include TRE ALTAMiRA (CLS Group), GroundProbe (Orica), MDA, etc. Global top three manufacturers hold a share over 75%. Europe is the largest market, with a share about 40%, followed by Asia-Pacific, and North America, both have a share about 50 percent. In terms of product, Monitoring is the largest segment, with a share over 50%. And in terms of application, the largest application is Oil & Gas Extraction, followed by Mining, Geohazards & Environment, Underground Engineering, etc.

This report studies the global Interferometric Synthetic Aperture Radar (InSAR) demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Interferometric Synthetic Aperture Radar (InSAR), and provides market size (US\$

million) and Year-over-Year (YoY) growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Interferometric Synthetic Aperture Radar (InSAR) that contribute to its increasing demand across many markets.

#### Highlights and key features of the study

Global Interferometric Synthetic Aperture Radar (InSAR) total market, 2021-2032, (USD Million)

Global Interferometric Synthetic Aperture Radar (InSAR) total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Interferometric Synthetic Aperture Radar (InSAR) total market, key domestic companies, and share, (USD Million)

Global Interferometric Synthetic Aperture Radar (InSAR) revenue by player, revenue and market share 2021-2026, (USD Million)

Global Interferometric Synthetic Aperture Radar (InSAR) total market by Type, CAGR, 2021-2032, (USD Million)

Global Interferometric Synthetic Aperture Radar (InSAR) total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Interferometric Synthetic Aperture Radar (InSAR) market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Orica (GroundProbe, 3vGeomatics), MDA, TRE Altamira (CLS Group), Viridien (formerly CGG), SkyGeo, TERRASIGNA, SatSense, Sixense, Dares Technology, Geomotion Australia, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the world Interferometric Synthetic Aperture Radar (InSAR) market

#### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), by player, by regions, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

## Global Interferometric Synthetic Aperture Radar (InSAR) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Interferometric Synthetic Aperture Radar (InSAR) Market, Segmentation by Type:

Monitoring

Mapping

Analysis

Others

## Global Interferometric Synthetic Aperture Radar (InSAR) Market, Segmentation by Tech:

D-InSAR

PS-InSAR

SBAS-InSAR

## CR-InSAR

Global Interferometric Synthetic Aperture Radar (InSAR) Market, Segmentation by Data:

Archive Data

Tasking Data

Global Interferometric Synthetic Aperture Radar (InSAR) Market, Segmentation by Application:

Oil and Gas Operation

Mining

Geohazards and Environment

Civil Engineering

Others

Companies Profiled:

Orica (GroundProbe, 3vGeomatics)

MDA

TRE Altamira (CLS Group)

Viridien (formerly CGG)

SkyGeo

TERRASIGNA

SatSense

Sixense

Dares Technology

Geomotion Australia

Woolpert (Murphy Geospatial)

SpaceTY

#### Key Questions Answered

1. How big is the global Interferometric Synthetic Aperture Radar (InSAR) market?
2. What is the demand of the global Interferometric Synthetic Aperture Radar (InSAR) market?
3. What is the year over year growth of the global Interferometric Synthetic Aperture Radar (InSAR) market?
4. What is the total value of the global Interferometric Synthetic Aperture Radar (InSAR) market?
5. Who are the Major Players in the global Interferometric Synthetic Aperture Radar (InSAR) market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

1.1 Interferometric Synthetic Aperture Radar (InSAR) Introduction

1.2 World Interferometric Synthetic Aperture Radar (InSAR) Market Size & Forecast (2021 & 2025 & 2032)

1.3 World Interferometric Synthetic Aperture Radar (InSAR) Total Market by Region (by Headquarter Location)

1.3.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Region (2021-2032), (by Headquarter Location)

1.3.2 United States Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.3.3 China Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.3.4 Europe Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.3.5 Japan Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.3.6 South Korea Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.3.7 ASEAN Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.3.8 India Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032)

1.4 Market Drivers, Restraints and Trends

1.4.1 Interferometric Synthetic Aperture Radar (InSAR) Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Major Market Trends

### 2 DEMAND SUMMARY

2.1 World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.2 World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value by Region

2.2.1 World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value by Region (2021-2026)

2.2.2 World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value

## Forecast by Region (2027-2032)

2.3 United States Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.4 China Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.5 Europe Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.6 Japan Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.7 South Korea Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.8 ASEAN Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

2.9 India Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032)

## **3 WORLD INTERFEROMETRIC SYNTHETIC APERTURE RADAR (INSAR) COMPANIES COMPETITIVE ANALYSIS**

3.1 World Interferometric Synthetic Aperture Radar (InSAR) Revenue by Player (2021-2026)

3.2 Industry Rank and Concentration Rate (CR)

3.2.1 Global Interferometric Synthetic Aperture Radar (InSAR) Industry Rank of Major Players

3.2.2 Global Concentration Ratios (CR4) for Interferometric Synthetic Aperture Radar (InSAR) in 2025

3.2.3 Global Concentration Ratios (CR8) for Interferometric Synthetic Aperture Radar (InSAR) in 2025

3.3 Interferometric Synthetic Aperture Radar (InSAR) Company Evaluation Quadrant

3.4 Interferometric Synthetic Aperture Radar (InSAR) Market: Overall Company Footprint Analysis

3.4.1 Interferometric Synthetic Aperture Radar (InSAR) Market: Region Footprint

3.4.2 Interferometric Synthetic Aperture Radar (InSAR) Market: Company Product Type Footprint

3.4.3 Interferometric Synthetic Aperture Radar (InSAR) Market: Company Product Application Footprint

3.5 Competitive Environment

3.5.1 Historical Structure of the Industry

3.5.2 Barriers of Market Entry

- 3.5.3 Factors of Competition
- 3.6 Mergers & Acquisitions Activity

## **4 UNITED STATES VS CHINA VS REST OF WORLD (BY HEADQUARTER LOCATION)**

### **4.1 United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Revenue Comparison (by Headquarter Location)**

#### **4.1.1 United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Revenue Comparison (2021 & 2025 & 2032) (by Headquarter Location)**

#### **4.1.2 United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share Comparison (2021 & 2025 & 2032)**

### **4.2 United States Based Companies VS China Based Companies: Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Comparison**

#### **4.2.1 United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Comparison (2021 & 2025 & 2032)**

#### **4.2.2 United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Market Share Comparison (2021 & 2025 & 2032)**

### **4.3 United States Based Interferometric Synthetic Aperture Radar (InSAR) Companies and Market Share, 2021-2026**

#### **4.3.1 United States Based Interferometric Synthetic Aperture Radar (InSAR) Companies, Headquarters (States, Country)**

#### **4.3.2 United States Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue, (2021-2026)**

### **4.4 China Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue and Market Share, 2021-2026**

#### **4.4.1 China Based Interferometric Synthetic Aperture Radar (InSAR) Companies, Company Headquarters (Province, Country)**

#### **4.4.2 China Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue, (2021-2026)**

### **4.5 Rest of World Based Interferometric Synthetic Aperture Radar (InSAR) Companies and Market Share, 2021-2026**

#### **4.5.1 Rest of World Based Interferometric Synthetic Aperture Radar (InSAR) Companies, Headquarters (Province, Country)**

#### **4.5.2 Rest of World Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2026)**

## **5 MARKET ANALYSIS BY TYPE**



5.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Monitoring

5.2.2 Mapping

5.2.3 Analysis

5.2.4 Others

5.3 Market Segment by Type

5.3.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Type (2021-2026)

5.3.2 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Type (2027-2032)

5.3.3 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Type (2027-2032)

## **6 MARKET ANALYSIS BY TECH**

6.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Overview by Tech: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Tech

6.2.1 D-InSAR

6.2.2 PS-InSAR

6.2.3 SBAS-InSAR

6.2.4 CR-InSAR

6.3 Market Segment by Tech

6.3.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Tech (2021-2026)

6.3.2 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Tech (2027-2032)

6.3.3 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Tech (2027-2032)

## **7 MARKET ANALYSIS BY DATA**

7.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Overview by Data: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Data

7.2.1 Archive Data

7.2.2 Tasking Data

## 7.3 Market Segment by Data

7.3.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Data (2021-2026)

7.3.2 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Data (2027-2032)

7.3.3 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Data (2027-2032)

## 8 MARKET ANALYSIS BY APPLICATION

8.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Oil and Gas Operation

8.2.2 Mining

8.2.3 Geohazards and Environment

8.2.4 Civil Engineering

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Application (2021-2026)

8.3.2 World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Application (2027-2032)

8.3.3 World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Application (2021-2032)

## 9 COMPANY PROFILES

9.1 Orica (GroundProbe, 3vGeomatics)

9.1.1 Orica (GroundProbe, 3vGeomatics) Details

9.1.2 Orica (GroundProbe, 3vGeomatics) Major Business

9.1.3 Orica (GroundProbe, 3vGeomatics) Interferometric Synthetic Aperture Radar (InSAR) Product and Services

9.1.4 Orica (GroundProbe, 3vGeomatics) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)

9.1.5 Orica (GroundProbe, 3vGeomatics) Recent Developments/Updates

9.1.6 Orica (GroundProbe, 3vGeomatics) Competitive Strengths & Weaknesses

9.2 MDA

9.2.1 MDA Details

- 9.2.2 MDA Major Business
- 9.2.3 MDA Interferometric Synthetic Aperture Radar (InSAR) Product and Services
- 9.2.4 MDA Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
- 9.2.5 MDA Recent Developments/Updates
- 9.2.6 MDA Competitive Strengths & Weaknesses
- 9.3 TRE Altamira (CLS Group)
  - 9.3.1 TRE Altamira (CLS Group) Details
  - 9.3.2 TRE Altamira (CLS Group) Major Business
  - 9.3.3 TRE Altamira (CLS Group) Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.3.4 TRE Altamira (CLS Group) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.3.5 TRE Altamira (CLS Group) Recent Developments/Updates
  - 9.3.6 TRE Altamira (CLS Group) Competitive Strengths & Weaknesses
- 9.4 Viridien (formerly CGG)
  - 9.4.1 Viridien (formerly CGG) Details
  - 9.4.2 Viridien (formerly CGG) Major Business
  - 9.4.3 Viridien (formerly CGG) Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.4.4 Viridien (formerly CGG) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.4.5 Viridien (formerly CGG) Recent Developments/Updates
  - 9.4.6 Viridien (formerly CGG) Competitive Strengths & Weaknesses
- 9.5 SkyGeo
  - 9.5.1 SkyGeo Details
  - 9.5.2 SkyGeo Major Business
  - 9.5.3 SkyGeo Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.5.4 SkyGeo Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.5.5 SkyGeo Recent Developments/Updates
  - 9.5.6 SkyGeo Competitive Strengths & Weaknesses
- 9.6 TERRASIGNA
  - 9.6.1 TERRASIGNA Details
  - 9.6.2 TERRASIGNA Major Business
  - 9.6.3 TERRASIGNA Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.6.4 TERRASIGNA Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)

- 9.6.5 TERRASIGNA Recent Developments/Updates
- 9.6.6 TERRASIGNA Competitive Strengths & Weaknesses
- 9.7 SatSense
  - 9.7.1 SatSense Details
  - 9.7.2 SatSense Major Business
  - 9.7.3 SatSense Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.7.4 SatSense Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.7.5 SatSense Recent Developments/Updates
  - 9.7.6 SatSense Competitive Strengths & Weaknesses
- 9.8 Sixense
  - 9.8.1 Sixense Details
  - 9.8.2 Sixense Major Business
  - 9.8.3 Sixense Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.8.4 Sixense Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.8.5 Sixense Recent Developments/Updates
  - 9.8.6 Sixense Competitive Strengths & Weaknesses
- 9.9 Dares Technology
  - 9.9.1 Dares Technology Details
  - 9.9.2 Dares Technology Major Business
  - 9.9.3 Dares Technology Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.9.4 Dares Technology Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.9.5 Dares Technology Recent Developments/Updates
  - 9.9.6 Dares Technology Competitive Strengths & Weaknesses
- 9.10 Geomotion Australia
  - 9.10.1 Geomotion Australia Details
  - 9.10.2 Geomotion Australia Major Business
  - 9.10.3 Geomotion Australia Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.10.4 Geomotion Australia Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.10.5 Geomotion Australia Recent Developments/Updates
  - 9.10.6 Geomotion Australia Competitive Strengths & Weaknesses
- 9.11 Woolpert (Murphy Geospatial)
  - 9.11.1 Woolpert (Murphy Geospatial) Details

- 9.11.2 Woolpert (Murphy Geospatial) Major Business
- 9.11.3 Woolpert (Murphy Geospatial) Interferometric Synthetic Aperture Radar (InSAR) Product and Services
- 9.11.4 Woolpert (Murphy Geospatial) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
- 9.11.5 Woolpert (Murphy Geospatial) Recent Developments/Updates
- 9.11.6 Woolpert (Murphy Geospatial) Competitive Strengths & Weaknesses
- 9.12 SpaceTY
  - 9.12.1 SpaceTY Details
  - 9.12.2 SpaceTY Major Business
  - 9.12.3 SpaceTY Interferometric Synthetic Aperture Radar (InSAR) Product and Services
  - 9.12.4 SpaceTY Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026)
  - 9.12.5 SpaceTY Recent Developments/Updates
  - 9.12.6 SpaceTY Competitive Strengths & Weaknesses

## **10 INDUSTRY CHAIN ANALYSIS**

- 10.1 Interferometric Synthetic Aperture Radar (InSAR) Industry Chain
- 10.2 Interferometric Synthetic Aperture Radar (InSAR) Upstream Analysis
- 10.3 Interferometric Synthetic Aperture Radar (InSAR) Midstream Analysis
- 10.4 Interferometric Synthetic Aperture Radar (InSAR) Downstream Analysis

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Interferometric Synthetic Aperture Radar (InSAR) Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Table 2. World Interferometric Synthetic Aperture Radar (InSAR) Revenue by Region (2021-2026) & (USD Million), (by Headquarter Location)

Table 3. World Interferometric Synthetic Aperture Radar (InSAR) Revenue by Region (2027-2032) & (USD Million), (by Headquarter Location)

Table 4. World Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share by Region (2021-2026), (by Headquarter Location)

Table 5. World Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share by Region (2027-2032), (by Headquarter Location)

Table 6. Major Market Trends

Table 7. World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Growth Rate Forecast by Region (2021 & 2025 & 2032) & (USD Million)

Table 8. World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value by Region (2021-2026) & (USD Million)

Table 9. World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Forecast by Region (2027-2032) & (USD Million)

Table 10. World Interferometric Synthetic Aperture Radar (InSAR) Revenue by Player (2021-2026) & (USD Million)

Table 11. Revenue Market Share of Key Interferometric Synthetic Aperture Radar (InSAR) Players in 2025

Table 12. World Interferometric Synthetic Aperture Radar (InSAR) Industry Rank of Major Player, Based on Revenue in 2025

Table 13. Global Interferometric Synthetic Aperture Radar (InSAR) Company Evaluation Quadrant

Table 14. Head Office of Key Interferometric Synthetic Aperture Radar (InSAR) Players

Table 15. Interferometric Synthetic Aperture Radar (InSAR) Market: Company Product Type Footprint

Table 16. Interferometric Synthetic Aperture Radar (InSAR) Market: Company Product Application Footprint

Table 17. Interferometric Synthetic Aperture Radar (InSAR) Mergers & Acquisitions Activity

Table 18. United States VS China Interferometric Synthetic Aperture Radar (InSAR) Revenue Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 19. United States VS China Interferometric Synthetic Aperture Radar (InSAR)



Consumption Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 20. United States Based Interferometric Synthetic Aperture Radar (InSAR) Companies, Headquarters (States, Country)

Table 21. United States Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue, (2021-2026) & (USD Million)

Table 22. United States Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share (2021-2026)

Table 23. China Based Interferometric Synthetic Aperture Radar (InSAR) Companies, Headquarters (Province, Country)

Table 24. China Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue, (2021-2026) & (USD Million)

Table 25. China Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share (2021-2026)

Table 26. Rest of World Based Interferometric Synthetic Aperture Radar (InSAR) Companies, Headquarters (Province, Country)

Table 27. Rest of World Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2026) & (USD Million)

Table 28. Rest of World Based Companies Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share (2021-2026)

Table 29. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Type, (USD Million), 2021 & 2025 & 2032

Table 30. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Value by Type (2021-2026) & (USD Million)

Table 31. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Type (2027-2032) & (USD Million)

Table 32. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Tech, (USD Million), 2021 & 2025 & 2032

Table 33. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Value by Tech (2021-2026) & (USD Million)

Table 34. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Tech (2027-2032) & (USD Million)

Table 35. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Data, (USD Million), 2021 & 2025 & 2032

Table 36. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Value by Data (2021-2026) & (USD Million)

Table 37. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Data (2027-2032) & (USD Million)

Table 38. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Application, (USD Million), 2021 & 2025 & 2032

Table 39. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Application (2021-2026) & (USD Million)

Table 40. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Application (2027-2032) & (USD Million)

Table 41. Orica (GroundProbe, 3vGeomatics) Basic Information, Manufacturing Base and Competitors

Table 42. Orica (GroundProbe, 3vGeomatics) Major Business

Table 43. Orica (GroundProbe, 3vGeomatics) Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 44. Orica (GroundProbe, 3vGeomatics) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 45. Orica (GroundProbe, 3vGeomatics) Recent Developments/Updates

Table 46. Orica (GroundProbe, 3vGeomatics) Competitive Strengths & Weaknesses

Table 47. MDA Basic Information, Manufacturing Base and Competitors

Table 48. MDA Major Business

Table 49. MDA Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 50. MDA Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 51. MDA Recent Developments/Updates

Table 52. MDA Competitive Strengths & Weaknesses

Table 53. TRE Altamira (CLS Group) Basic Information, Manufacturing Base and Competitors

Table 54. TRE Altamira (CLS Group) Major Business

Table 55. TRE Altamira (CLS Group) Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 56. TRE Altamira (CLS Group) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 57. TRE Altamira (CLS Group) Recent Developments/Updates

Table 58. TRE Altamira (CLS Group) Competitive Strengths & Weaknesses

Table 59. Viridien (formerly CGG) Basic Information, Manufacturing Base and Competitors

Table 60. Viridien (formerly CGG) Major Business

Table 61. Viridien (formerly CGG) Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 62. Viridien (formerly CGG) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 63. Viridien (formerly CGG) Recent Developments/Updates

Table 64. Viridien (formerly CGG) Competitive Strengths & Weaknesses

Table 65. SkyGeo Basic Information, Manufacturing Base and Competitors



Table 66. SkyGeo Major Business

Table 67. SkyGeo Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 68. SkyGeo Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 69. SkyGeo Recent Developments/Updates

Table 70. SkyGeo Competitive Strengths & Weaknesses

Table 71. TERRASIGNA Basic Information, Manufacturing Base and Competitors

Table 72. TERRASIGNA Major Business

Table 73. TERRASIGNA Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 74. TERRASIGNA Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 75. TERRASIGNA Recent Developments/Updates

Table 76. TERRASIGNA Competitive Strengths & Weaknesses

Table 77. SatSense Basic Information, Manufacturing Base and Competitors

Table 78. SatSense Major Business

Table 79. SatSense Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 80. SatSense Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 81. SatSense Recent Developments/Updates

Table 82. SatSense Competitive Strengths & Weaknesses

Table 83. Sixense Basic Information, Manufacturing Base and Competitors

Table 84. Sixense Major Business

Table 85. Sixense Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 86. Sixense Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 87. Sixense Recent Developments/Updates

Table 88. Sixense Competitive Strengths & Weaknesses

Table 89. Dares Technology Basic Information, Manufacturing Base and Competitors

Table 90. Dares Technology Major Business

Table 91. Dares Technology Interferometric Synthetic Aperture Radar (InSAR) Product and Services

Table 92. Dares Technology Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)

Table 93. Dares Technology Recent Developments/Updates

Table 94. Dares Technology Competitive Strengths & Weaknesses

|                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Table 95. Geomotion Australia Basic Information, Manufacturing Base and Competitors                                                                         |
| Table 96. Geomotion Australia Major Business                                                                                                                |
| Table 97. Geomotion Australia Interferometric Synthetic Aperture Radar (InSAR) Product and Services                                                         |
| Table 98. Geomotion Australia Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)           |
| Table 99. Geomotion Australia Recent Developments/Updates                                                                                                   |
| Table 100. Geomotion Australia Competitive Strengths & Weaknesses                                                                                           |
| Table 101. Woolpert (Murphy Geospatial) Basic Information, Manufacturing Base and Competitors                                                               |
| Table 102. Woolpert (Murphy Geospatial) Major Business                                                                                                      |
| Table 103. Woolpert (Murphy Geospatial) Interferometric Synthetic Aperture Radar (InSAR) Product and Services                                               |
| Table 104. Woolpert (Murphy Geospatial) Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million) |
| Table 105. Woolpert (Murphy Geospatial) Recent Developments/Updates                                                                                         |
| Table 106. Woolpert (Murphy Geospatial) Competitive Strengths & Weaknesses                                                                                  |
| Table 107. SpaceTY Basic Information, Manufacturing Base and Competitors                                                                                    |
| Table 108. SpaceTY Major Business                                                                                                                           |
| Table 109. SpaceTY Interferometric Synthetic Aperture Radar (InSAR) Product and Services                                                                    |
| Table 110. SpaceTY Interferometric Synthetic Aperture Radar (InSAR) Revenue, Gross Margin and Market Share (2021-2026) & (USD Million)                      |
| Table 111. SpaceTY Recent Developments/Updates                                                                                                              |
| Table 112. SpaceTY Competitive Strengths & Weaknesses                                                                                                       |
| Table 113. Global Key Players of Interferometric Synthetic Aperture Radar (InSAR) Upstream (Raw Materials)                                                  |
| Table 114. Global Interferometric Synthetic Aperture Radar (InSAR) Typical Customers                                                                        |

## List Of Figures

### LIST OF FIGURES

Figure 1. Interferometric Synthetic Aperture Radar (InSAR) Picture

Figure 2. World Interferometric Synthetic Aperture Radar (InSAR) Total Revenue: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Interferometric Synthetic Aperture Radar (InSAR) Total Revenue (2021-2032) & (USD Million)

Figure 4. World Interferometric Synthetic Aperture Radar (InSAR) Revenue by Region (2021, 2025 and 2032) & (USD Million), (by Headquarter Location)

Figure 5. World Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share by Region (2021-2032), (by Headquarter Location)

Figure 6. United States Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 7. China Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 8. Europe Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 9. Japan Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 10. South Korea Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 11. ASEAN Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 12. India Based Company Interferometric Synthetic Aperture Radar (InSAR) Revenue (2021-2032) & (USD Million)

Figure 13. Interferometric Synthetic Aperture Radar (InSAR) Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 16. World Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Market Share by Region (2021-2032)

Figure 17. United States Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 18. China Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 19. Europe Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 20. Japan Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 21. South Korea Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 22. ASEAN Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 23. India Interferometric Synthetic Aperture Radar (InSAR) Consumption Value (2021-2032) & (USD Million)

Figure 24. Producer Shipments of Interferometric Synthetic Aperture Radar (InSAR) by Player Revenue (\$MM) and Market Share (%): 2025

Figure 25. Global Four-firm Concentration Ratios (CR4) for Interferometric Synthetic Aperture Radar (InSAR) Markets in 2025

Figure 26. Global Four-firm Concentration Ratios (CR8) for Interferometric Synthetic Aperture Radar (InSAR) Markets in 2025

Figure 27. United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Revenue Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Interferometric Synthetic Aperture Radar (InSAR) Consumption Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Type, (USD Million), 2021 & 2025 & 2032

Figure 30. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Type in 2025

Figure 31. Monitoring

Figure 32. Mapping

Figure 33. Analysis

Figure 34. Others

Figure 35. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Type (2021-2032)

Figure 36. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Tech, (USD Million), 2021 & 2025 & 2032

Figure 37. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Tech in 2025

Figure 38. D-InSAR

Figure 39. PS-InSAR

Figure 40. SBAS-InSAR

Figure 41. CR-InSAR

Figure 42. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Tech (2021-2032)

Figure 43. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by

Data, (USD Million), 2021 & 2025 & 2032

Figure 44. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Data in 2025

Figure 45. Archive Data

Figure 46. Tasking Data

Figure 47. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Data (2021-2032)

Figure 48. World Interferometric Synthetic Aperture Radar (InSAR) Market Size by Application, (USD Million), 2021 & 2025 & 2032

Figure 49. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Application in 2025

Figure 50. Oil and Gas Operation

Figure 51. Mining

Figure 52. Geohazards and Environment

Figure 53. Civil Engineering

Figure 54. Others

Figure 55. World Interferometric Synthetic Aperture Radar (InSAR) Market Size Market Share by Application (2021-2032)

Figure 56. Interferometric Synthetic Aperture Radar (InSAR) Industrial Chain

Figure 57. Methodology

Figure 58. Research Process and Data Source

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