

Report Information

More information from: <https://www.marketresearchfuture.com/reports/europe-advanced-co2-sensor-market-2574>

Europe Advanced CO2 Sensor Market Analysis - Global Forecast 2022 to 2030

Report / Search Code: MRFR/SEM/1934-CR

Publish Date: March, 2017

Request Sample

Price	1-user PDF : \$ 4950.0	Enterprise PDF : \$ 7250.0
-------	------------------------	----------------------------

Description:

Market Synopsis of Europe Advanced CO2 Sensor Market

Advanced CO2 sensors help to monitor the intensity of CO2 in different mediums like air or water and can adjust automatically to changes in temperature, humidity, and altitude. This market is an integral part of the global sensors market and is heavily influenced by the augmented demand for location-based advanced CO2 sensors, which results in its impressive CAGR. Rising need for better air pollution measurement systems, to drive market growth during the forecast period.

Increased Institutional Usage of CO2 Sensor and Increasing Government Initiatives and Regularizes for Controlling Air Pollution are some of the major drivers that exhibits the growth of Europe Advanced CO2 sensor market. The potential, demand, and usage of advanced CO2 sensor in various applications have increased support from governments worldwide. Recently in July 2016, The U.S. Department of Energy invested \$11.5 Million to Advance Geologic Carbon Storage and Geothermal Exploration which will capture the carbon pollution from the burning of fossil fuels and improves renewable geothermal resources – both of which will help to make the air purify.

With the increase in population there is drastic increase in the infrastructure. So with the increase in the real estate industry, there are many different indoor pollutants came into picture that includes from volatile organic compound such as paints and new furnishing to pollutants from chemical uses, equipment and cleaning processes. Carbon-dioxide is a part of every breath we take, and as we emit it, then it becomes a proxy for other pollutants and shows that the ventilation systems are working properly or not. While CO2 is not a pollutant it have an effect on humans, with increase in the level humans feel sleepy and sluggish, due to which it becomes difficult for the person to focus on the work and results into less productive.

Thus, to overcome with the above concerns the need of air pollution measurement systems has been increased. These systems are enabled with sensors like advance CO2 which helps to purify the air, which leads to the proper ventilation.

In this market analysis, analysts estimate the non-dispersive infrared (NIDR) CO2 sensors segment to account for nearly 83% of the total market share by 2016. The long lifespan, stability, and high humidity and dirt-withstanding nature of IR sensors are responsible for its high market share during the forecast period.

Key Players

The key players of Europe Advanced CO2 Sensor market are Amphenol Corporation (U.S.), Honeywell International Inc.(U.S.), Johnson Control (Ireland), Simens AG (Germany), Ati Airstest Technologies Inc. (U.S.), Sick AG (Germany), Gas Sensing Solution (U.K), Trane (Subsidiary Of Ingersoll Land) (Ireland), Senseair AB (Sweden), E+E Elektronik (Austria), Bluesens (Germany), Digital Control System Inc. (U.S.), Vertiss Industries (U.S.) and among others.

Global Europe Advanced CO2 Sensor Market Analysis & Forecast, from 2016 to 2022

- To provide detailed analysis of the market structure along with forecast for the next ten years of the various segments and sub-segments included in Europe Advanced CO2 Sensor market with analysis of its development and demand in the market
- Upcoming technologies, high growth geographies and countries were identified
- Regional and country specific demand and forecast for Europe Advanced CO2 Sensor were studied
- Key segments covered in the report are: manufacture, type, application.
- Unit breakdown for all different classification was finalized; and same was referred for forecasting, keeping few assumptions into factor
- For all the regions, forecast demand for all applications were identified and then with historical figure, data collected through primary and annual reports were triangulated to derive the regional market size

- Historical trend is identified to forecast and estimate the future value data

Target Audience

- Technology investors
- End-user industries
- Research & consultant organization
- Market players
- Government

Key Findings

- Europe Advanced CO2 sensor market is expected to grow up to 3.6 Billion by 2021 with a CAGR of 14.6%.
- Honeywell is expected to be the market leader with 24% in Advanced CO2 Sensor among all European region.
- NDIR will gain a Europe Advanced CO2 sensor market with approximately 83%.
- By Application, Building Automation and Domestic Appliance holds the largest market growing with approximately 22.43% by the end of forecast period.
- Geographically, China has been projected to have the market share of USD 69 Million by the end of the forecasted period

Table of Content:

Contents	
1 EUROPE MARKET ADVANCED CO2 SENSORS MANUFACTURERS PROFILES	
1.1 AMPHENOL CORPORATION	10
1.1.1 BUSINESS OVERVIEW	10
1.2 HONEYWELL INTERNATIONAL INC.	12
1.2.1 BUSINESS OVERVIEW	12
1.3 JOHNSON CONTROL	14
1.3.1 BUSINESS OVERVIEW	14
1.4 SIEMENS AG	16
1.4.1 BUSINESS OVERVIEW	16
1.5 ATI AIRTEST TECHNOLOGIES INC.	18
1.5.1 BUSINESS OVERVIEW	18
1.6 SICK AG	20
1.6.1 BUSINESS OVERVIEW	20
1.7 GAS SENSING SOLUTION	22
1.7.1 BUSINESS OVERVIEW	22
1.8 TRANE (SUBSIDIARY OF INGRESOLL LAND)	24
1.8.1 BUSINESS OVERVIEW	24
1.9 SENSEAIR AB	26
1.9.1 BUSINESS OVERVIEW	26
1.10 E+E ELEKTRONIK	28
1.10.1 BUSINESS OVERVIEW	28
1.11 BLUESENS	30
1.11.1 BUSINESS OVERVIEW	30
1.12 DIGITAL CONTROL SYSTEM INC.	32
1.12.1 BUSINESS OVERVIEW	32
1.13 VERTISS INDUSTRIES	33
1.13.1 BUSINESS OVERVIEW	33

1.14 VAISALA	35
1.14.1 BUSINESS OVERVIEW	35
1.14.2 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	35
2 EUROPE ADVANCED CO2 SENSORS MARKET COMPETITION, BY MANUFACTURER	
2.1 EUROPE ADVANCED CO2 SENSORS REVENUE (VALUE) AND MARKET SHARE BY MANUFACTURER	37
3 MARKET CONCENTRATION RATE ANALYSIS	
3.1 EUROPE ADVANCED CO2 SENSORS SALES/REVENUE (VALUE) AND MARKET SHARE BY TYPE (2020-2027)	39
3.1.1 NDIR CO2 SENSORS	40
3.1.2 CHEMICAL CO2 SENSORS	42
4 EUROPE ADVANCED CO2 SENSORS MARKET SEGMENT BY APPLICATION	
4.1 EUROPE ADVANCED CO2 SENSORS SALES MARKET SHARE BY APPLICATION (2020-2027)	45
4.2 MEDICAL	47
4.2.1 MEDICAL OVERVIEW	47
4.3 PETROCHEMICAL	47
4.3.1 PETROCHEMICAL OVERVIEW	47
4.4 AUTOMOTIVE	48
4.4.1 AUTOMOTIVE OVERVIEW	48
4.5 ENVIRONMENTAL	49
4.5.1 ENVIRONMENTAL OVERVIEW	49
5 ADVANCED CO2 SENSORS POTENTIAL MARKET/REGIONS EXCEPT EUROPE	
5.1 CHINA DEVELOPMENT STATUS AND OUTLOOK	50
5.1.1 CHINA ADVANCED CO2 SENSORS SALES/GROWTH RATE AND FORECAST (2020-2027)	50
5.2.1 SOUTHEAST ASIA ADVANCED CO2 SENSORS SALES/GROWTH RATE AND FORECAST (2020-2027)	51
5.3.1 INDIA ADVANCED CO2 SENSORS SALES/GROWTH RATE AND FORECAST (2020-2027)	52
5.4.1 LATIN AMERICA ADVANCED CO2 SENSORS SALES/GROWTH RATE AND FORECAST (2020-2027)	53
6 EUROPE ADVANCED CO2 SENSORS MARKET DYNAMICS	
6.1 ADVANCED CO2 SENSORS MARKET OPPORTUNITIES	55
6.1.1 INCREASED INSTITUTIONAL USAGE OF CO2 SENSOR:	55
6.1.2 INCREASING GOVERNMENT INITIATIVES AND REGULATRIES FOR CONTROLLING AIR POLLUTION:	55
6.2 ADVANCED CO2 SENSORS MARKET CONSTRAINTS	55
6.2.1 HIGH COST OF ADVANCE CO2 SENSOR:	55
6.2.2 AWARENESS:	55
6.3 ADVANCED CO2 SENSORS MARKET DRIVING FORCE	56
6.3.1 RAISING NEED OF BETTER AIR POLLUTION MEASUREMENT SYSTEMS:	56
6.3.2 INNOVATION IN ELECTRONIC SEMICONDUCTOR INDUSTRY:	56
6.3.3 INCREASING DEMAND OF REUSABLE ENERGY:	56
7 MARKETING STRATEGY ANALYSIS	
8 EFFECT FACTORS OF ADVANCED CO2 SENSORS DEMAND	
8.1 TECHNOLOGY PROGRESS	58
8.2 CONSUMER NEEDS TREND/CUSTOMER PREFERENCE	58
8.3 EXTERNAL ENVIRONMENTAL CHANGE	58
9 APPENDIX	
9.1 DISCUSSION BLUE PRINT	59
10 List of Tables	
TABLE 1 AMPHENOL CORPORATION BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	10
TABLE 2 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	11
TABLE 3 HONEYWELL BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	12
TABLE 4 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	13
TABLE 5 JOHNSON CONTROLS BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	14
TABLE 6 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	15
TABLE 7 SIEMENS AG BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	16
TABLE 8 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	17
TABLE 9 ATI AIRTEST TECHNOLOGIES BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	18
TABLE 10 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	18
TABLE 11 SICK AG BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	20
TABLE 12 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	20
TABLE 13 GAS SENSING SOLUTIONS BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	22
TABLE 14 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	22
TABLE 15 TRANE BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	24

TABLE 16 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	25
TABLE 17 SENSEAIR BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	26
TABLE 18 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	27
TABLE 19 E + E ELEKTRONIK BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	28
TABLE 20 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	28
TABLE 21 BLUESSENS BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	30
TABLE 22 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	31
TABLE 23 DIGITAL CONTROL SYSTEMS BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	32
TABLE 24 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	32
TABLE 25 VERIS INDUSTRIES BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	33
TABLE 26 ADVANCED CO2 SENSORS TYPE AND APPLICATIONS	33
TABLE 27 VAISALA BASIC INFORMATION, MANUFACTURING BASE AND COMPETITORS	35
TABLE 28 EUROPE ADVANCED CO2 SENSORS SALES BY TYPE (2020-2027)	39
TABLE 29 EUROPE ADVANCED CO2 SENSORS SALES SHARE BY TYPE (2020-2027)	39
TABLE 30 EUROPE ADVANCED CO2 SENSORS REVENUE BY TYPE (2020-2027)	39
TABLE 31 EUROPE ADVANCED CO2 SENSORS REVENUE SHARE BY TYPE (2020-2027)	40
TABLE 32 EUROPE ADVANCED CO2 SENSORS SALES FORECAST BY TYPE (2020-2027)	40
TABLE 33 EUROPE ADVANCED CO2 SENSORS MARKET SHARE FORECAST BY TYPE (2020-2027)	40
TABLE 34 EUROPE ADVANCED CO2 SENSORS SALES BY APPLICATION (2020-2027)	45
TABLE 35 EUROPE ADVANCED CO2 SENSORS SALES SHARE BY APPLICATION (2020-2027)	45
TABLE 36 EUROPE ADVANCED CO2 SENSORS SALES FORECAST BY APPLICATION (2020-2027)	46
TABLE 37 EUROPE ADVANCED CO2 SENSORS MARKET SHARE FORECAST BY APPLICATION (2020-2027)	46

11 List of Figures

FIGURE 1 EUROPE ADVANCED CO2 SENSORS REVENUE MARKET SHARE BY MANUFACTURER IN 2019	37
FIGURE 2 EUROPE ADVANCED CO2 SENSORS REVENUE MARKET SHARE BY MANUFACTURER IN 2020	38
FIGURE 3 EUROPE NDIR CO2 SENSORS SALES GROWTH (2020-2027)	41
FIGURE 4 EUROPE NDIR CO2 SENSORS PRICE (2020-2027)	41
FIGURE 5 PRODUCT PICTURE OF NDIR CO2 SENSORS	42
FIGURE 6 EUROPE CHEMICAL CO2 SENSORS SALES GROWTH (2020-2027)	43
FIGURE 7 EUROPE CHEMICAL CO2 SENSORS PRICE (2020-2027)	43
FIGURE 8 PRODUCT PICTURE OF CHEMICAL CO2 SENSORS	44
FIGURE 9 EUROPE MEDICAL SALES GROWTH (2020-2027)	47
FIGURE 10 EUROPE PETROCHEMICAL SALES GROWTH (2020-2027)	48
FIGURE 11 EUROPE AUTOMOTIVE SALES GROWTH (2020-2027)	49
FIGURE 12 EUROPE ENVIRONMENTAL SALES GROWTH (2020-2027)	49
FIGURE 13 CHINA ADVANCED CO2 SENSORS SALES, GROWTH RATE AND FORECAST (2020-2027)	50
FIGURE 14 CHINA ADVANCED CO2 SENSORS REVENUE, GROWTH RATE AND FORECAST (2020-2027)	51
FIGURE 15 SOUTHEAST ASIA ADVANCED CO2 SENSORS SALES, GROWTH RATE AND FORECAST (2020-2027)	51
FIGURE 16 SOUTHEAST ASIA ADVANCED CO2 SENSORS REVENUE, GROWTH RATE AND FORECAST (2020-2027)	52
FIGURE 17 INDIA ADVANCED CO2 SENSORS SALES, GROWTH RATE AND FORECAST (2020-2027)	52
FIGURE 18 INDIA ADVANCED CO2 SENSORS REVENUE, GROWTH RATE AND FORECAST (2020-2027)	53
FIGURE 19 LATIN AMERICA ADVANCED CO2 SENSORS SALES, GROWTH RATE AND FORECAST (2020-2027)	53
FIGURE 20 LATIN AMERICA ADVANCED CO2 SENSORS REVENUE, GROWTH RATE AND FORECAST (2020-2027)	54