

# Global CO<sub>2</sub> Pipeline Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global CO<sub>2</sub> Pipeline market size was valued at US\$ 1018 million in 2025 and is forecast to a readjusted size of US\$ 1575 million by 2032 with a CAGR of 6.8% during review period.

In 2025, global CO<sub>2</sub> Pipeline approximately 15,953 km, with an average global market price of around US\$ 62 per m. Gross margin is about 49%. The cost is 32 usd. The Production is about 18,000 km. CO<sub>2</sub> Pipelines are specialized pipelines designed to transport carbon dioxide (CO<sub>2</sub>) over long distances, typically from industrial sources (such as power plants, refineries, or chemical factories) to storage sites or utilization locations. These pipelines are a key component of carbon capture, utilization, and storage (CCUS) systems, which aim to reduce CO<sub>2</sub> emissions by capturing and transporting CO<sub>2</sub> for either permanent storage (usually in geological formations) or for use in enhanced oil recovery (EOR) or other industrial processes.

### 1. Classification by CO<sub>2</sub> phase

CO<sub>2</sub> pipelines can be classified into gaseous CO<sub>2</sub> pipelines, liquid CO<sub>2</sub> pipelines, and supercritical CO<sub>2</sub> pipelines. Gaseous pipelines are mainly used for short-distance and low-pressure transport, while liquid pipelines serve medium-distance applications. Supercritical CO<sub>2</sub> pipelines dominate CCS projects due to high density, low volumetric flow rate, and superior transport efficiency.

### 2. Classification by application scenario

CO<sub>2</sub> pipelines can be categorised into industrial CO<sub>2</sub> pipelines, enhanced oil recovery (EOR) pipelines, and CCS/CCUS pipelines. Industrial pipelines supply CO<sub>2</sub> for

chemical and food industries, EOR pipelines inject CO<sub>2</sub> into oil fields to enhance production, and CCS/CCUS pipelines transport captured CO<sub>2</sub> to storage or utilisation sites, forming the backbone of carbon reduction infrastructure.

### 3. Classification by transport distance

From an engineering perspective, CO<sub>2</sub> pipelines can be divided into short-distance pipelines, medium-distance regional pipelines, and long-distance trunk pipelines. Short-distance systems often use gaseous or liquid CO<sub>2</sub>, while medium and long-distance pipelines predominantly adopt supercritical CO<sub>2</sub> for economic efficiency.

### 4. Classification by operating pressure

CO<sub>2</sub> pipelines can be grouped into low-pressure, medium-pressure and high-pressure systems. High-pressure pipelines are required for liquid and supercritical CO<sub>2</sub> transport, typically operating at 8–20 MPa in large-scale CCS projects.

### 5. Classification by network configuration

Structurally, CO<sub>2</sub> pipelines include point-to-point pipelines, gathering networks, and trunk pipeline systems. Point-to-point pipelines directly connect emission sources to storage sites, while trunk networks integrate multiple sources and destinations, resembling future regional carbon transport grids.

This report is a detailed and comprehensive analysis for global CO<sub>2</sub> Pipeline market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global CO<sub>2</sub> Pipeline market size and forecasts, in consumption value (\$ Million), sales quantity (Km), and average selling prices (US\$/Km), 2021-2032

Global CO<sub>2</sub> Pipeline market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Km), and average selling prices (US\$/Km), 2021-2032

Global CO2 Pipeline market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Km), and average selling prices (US\$/Km), 2021-2032

Global CO2 Pipeline market shares of main players, shipments in revenue (\$ Million), sales quantity (Km), and ASP (US\$/Km), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for CO2 Pipeline

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global CO2 Pipeline market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ExxonMobil, DNV, Tenaris, NOV, Europipe, Vallourec, Corinth Pipeworks, Mannesmann Line Pipe GmbH, Welspun Corp, TMK Group, etc.

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

### **Market Segmentation**

CO2 Pipeline market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Supercritical Phase Conveying Pipelines

Gas Phase Pipelines

Others

## Market segment by Transport Medium

Gaseous CO<sub>2</sub> Pipeline

Liquid CO<sub>2</sub> Pipeline

## Market segment by Pressure

Low Pressure

High Pressure

Medium Pressure

## Market segment by Application

Food & Medical

Medical

Chemicals

Energy

Other

## Major players covered

ExxonMobil

DNV

Tenaris

NOV

Europipe

Vallourec

Corinth Pipeworks

Mannesmann Line Pipe GmbH

Welspun Corp

TMK Group

Mattr

Kinder Morgan, Inc.

Strohm

Navigator CO2 Ventures

Summit Carbon Solutions

Stupp Corporation

National Petroleum and Natural Gas Pipeline Network Group Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe CO2 Pipeline product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CO2 Pipeline, with price, sales quantity, revenue, and global market share of CO2 Pipeline from 2021 to 2026.

Chapter 3, the CO2 Pipeline competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CO2 Pipeline breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and CO2 Pipeline market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CO2 Pipeline.

Chapter 14 and 15, to describe CO2 Pipeline sales channel, distributors, customers, research findings and conclusion.

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