

Europe Robotic Crawler Camera Market Forecast to 2030 - Regional Analysis - by Component [Hardware (Cameras, Crawlers, Cable Drums, Control Units, and Others), Software, and Service], Application (Drain Inspection, Pipeline Inspection, and Tank Void Capacity or Conduit Inspection), and End User (Residential, Commercial, Municipal, and Industrial)

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Abstracts

The Europe robotic crawler camera market was valued at US\$ 116.89 million in 2022 and is expected to reach US\$ 308.52 million by 2030; it is estimated to record a CAGR of 12.9% from 2022 to 2030.

Rising Need for Sophisticated Inspection Tools for Subsea Activities Drives Europe Robotic Crawler Camera Market

Underwater inspection plays an essential role in ensuring the safety and integrity of subsea equipment and structures. These inspections encompass a broad spectrum, ranging from routine subsea maintenance checks on canal locks, hulls shipping, and bridges to more in-depth surveys, including subsea pipelines and offshore rigs. The primary objective is to rectify and identify issues that can compromise the safety and reliability of underwater structures and equipment. The key concerns of underwater pipelines include damage assessment, structural integrity verification, and corrosion monitoring. By conducting regular inspections, possible problems can be detected early, preventing hazardous situations and costly equipment failure. Subsea inspections provide a comprehensive view of equipment, allowing for a thorough assessment of condition and performance. These assessments are critical for devising effective repair and maintenance solutions, ensuring that subsea operations continue to function

efficiently and safely. The robotics crawler camera provides highly accurate information about the pipe's condition and can also be used to inspect pipelines underwater. Various companies are partnering to launch robotic crawler cameras. Therefore, the need for sophisticated inspection tools for subsea activities is increasing, driving the robotic crawler camera system market.

Europe Robotic Crawler Camera Market Overview

As the population of Europe increases, the wastewater and water development projects also increase. According to the European Commission, in Europe, investments in the public sewerage network aimed to achieve the renovation and rehabilitation of 775 kilometers of public sewerage networks, as well as the construction and operationalization of 12 wastewater treatment plants, to ensure access to appropriate wastewater treatment for an additional 200,000 people. So far, 126 kilometers of public sewerage network have been built or reconstructed in 39 project areas across Croatia. Also, investments in the public water supply network aimed to achieve energy-efficient renovation, rehabilitation, and extension of 956 kilometers of water supply pipelines, especially in rural, mountainous, and demographically disadvantaged areas, to ensure drinking water and improved public water supply systems for ~45,000 people and reduce water losses in the public water supply systems. So far, 256 kilometers of public water supply network have been built or reconstructed in 48 project areas across Croatia. The robotics crawler cameras are used to inspect the water pipelines in a wide range of environments, including underwater and hazardous areas. Therefore, with the increasing number of wastewater and water development projects, the demand for robotics crawler cameras is increasing, boosting market growth.

Europe Robotic Crawler Camera Market Revenue and Forecast to 2030 (US\$ Million)

Europe Robotic Crawler Camera Market Segmentation

The Europe robotic crawler camera market is segmented based on component, application, end user, and country. Based on component, the Europe robotic crawler camera market is categorized into hardware, software, and services. The hardware segment held the largest market share in 2022.

By application, the Europe robotic crawler camera market is segmented into drain inspection, pipeline inspection, and tank void capacity or conduit inspection. The pipeline inspection segment held the largest market share in 2022.

In terms of end user, the Europe robotic crawler camera market is categorized into residential, commercial, municipal, and industrial. The industrial segment held the largest market share in 2022.

Based on country, the Europe robotic crawler camera market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. Germany dominated the Europe robotic crawler camera market share in 2022.

AM Industrial (UK) Ltd, Rausch GmbH, Mini-Cam Ltd, Kummert GmbH, Eddyfi Technologies, iPEK International GmbH, and Inspector Systems GmbH are some of the leading players operating in the Europe robotic crawler camera market.

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