

Asia Pacific Trenchless Pipe Relining Market Forecast to 2028 -Regional Analysis by Method (Cured in Place Pipe (CIPP), Pull-in-Place, Pipe Bursting, and Internal Pipe Coating); Diameter (Below DN 50, DN 51-DN 150, DN 151-DN 250, and Above DN 251); and End User (Residential, Commercial, Industrial, and Municipal)

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## **Abstracts**

The Asia Pacific trenchless pipe relining market is expected to grow from US\$ 823.11 million in 2023 to US\$ 1,167.83 million by 2028. It is estimated to grow at a CAGR of 7.2% from 2023 to 2028.

Technological Innovation and Advancement in Trenchless Pipe Relining Drive Asia Pacific Trenchless Pipe Relining Market

Trenchless technologies involve methods of new pipe installation with minimum surface and environmental disruptions. One such technological advancement in trenchless pipe relining is the introduction of robotics. Trenchless pipe repair robotic lateral reinstatement cutters are essential to cut holes from the inside of a small diameter pipe and re-establish existing connections. These rugged robots are configured to allow specialized situations to be navigated with straightforward design and assembly. Furthermore, ProKASRO offers trenchless pipe rehabilitation with advanced robots. Their trenchless pipe rehabilitation works without traffic obstructions and noise pollution, ensuring workforce safety while saving time and effort. In addition, in February 2023, GE demonstrated carbon cutting pipe-building robot to inspect and restore natural gas pipelines. Thus, the introduction of robotics in trenchless pipe relining is expected to emerge as a significant trend in the Asia Pacific trenchless pipe relining market in the coming years.



### Asia Pacific Trenchless Pipe Relining Market Overview

The Asia Pacific trenchless pipe relining market in Asia Pacific is segmented into China, India, Japan, Australia, South Korea, and the rest of Asia Pacific. These countries have various pipeline infrastructures, which are more than 40 years old and require rehabilitation for their proper functioning. For example, Hong Kong has more than 4,500 km of underground stormwater drains and sewers, which have been used for over 30 years. Furthermore, sewers are more prone to deterioration and aging due to prolonged exposure to corrosive gases through sewage. To overcome such challenges, the Drainage Services Department (DSD) regularly rehabilitates high-risk underground pipes by adopting different pipe repair methods. In addition, other government authorities are also working on repairing the pipeline infrastructure in the country. In October 2019, the Development Bureau of the government of Hong Kong announced that they are using CIPP lining technology for pipes under dry conditions. Also, the authority will use the spirally wound lining technology or the slip-lining method to rehabilitate running pipes. Thus, the growing rehabilitation of existing pipelines in the region is expected to boost the growth of the Asia Pacific trenchless pipe relining market during the forecast period. Moreover, various developing countries in Asia Pacific have open drains, which can lead to severe issues during the monsoon season or cyclones. For instance, India has open drains in various parts of the country. If there is heavy rainfall or cyclones in the country, then it can lead to the overflow of drains due to the flowing rainwater. Hence, the regular need for repair and maintenance of the drainage system is required in the country. For instance, in September 2022, the technical committee of Ludhiana Smart City Limited (LSCL) announced that they would be working on repairing and strengthening an old brick sewer line in Ludhiana, India. For repairing this sewer line, the company will not be digging up the road but will be using trench-less technology. Similarly, trenchless technology is being adopted in other countries of Asia Pacific to repair and maintain pipelines. For instance, in July 2019, Ventia has announced that they had successfully renewed the water pipeline using its cured-in-place pipe (CIPP) product, Aqua-Pipe. The company performed relining of the 150-meter section of the leaking DN300 water main, which is running under the Canning Highway in Perth, Western Australia. Thus, the growing rehabilitation of pipelines for their proper functioning across Asia Pacific is expected to fuel the growth of the Asia Pacific trenchless pipe relining market during the forecast period.

Asia Pacific Trenchless Pipe Relining Market Revenue and Forecast to 2028 (US\$ Million)



Asia Pacific Trenchless Pipe Relining Market Segmentation

The Asia Pacific trenchless pipe relining market is segmented into method, diameter, end user, and country.

Based on method, the Asia Pacific trenchless pipe relining market is segmented into cured in place pipe (CIPP), pull-in-place, pipe bursting, and internal pipe coating. In 2023, the cured in place pipe (CIPP) segment registered a largest share in the Asia Pacific trenchless pipe relining market.

Based on diameter, the Asia Pacific trenchless pipe relining market is segmented into below DN 50, DN 51-DN 150, DN 151-DN 250, and Above DN 251. In 2023, the below DN 50 segment registered a largest share in the Asia Pacific trenchless pipe relining market.

Based on end user, the Asia Pacific trenchless pipe relining market is segmented into residential, commercial, industrial, and municipal. In 2023, the residential segment registered a largest share in the Asia Pacific trenchless pipe relining market.

Based on country, the Asia Pacific trenchless pipe relining market is segmented into Australia, China, India, Japan, South Korea, and the Rest of Asia Pacific. In 2023, China segment registered a largest share in the Asia Pacific trenchless pipe relining market.

MaxLiner USA (Applied Felts Inc); NuFlow Technologies Inc; QuakeWrap Inc; RelineEurope GmbH; RTi Rohrtechnik international GmbH; Sekisui SPR Americas LLC; and Trelleborg Sealing Profiles Sweden AB are the leading companies operating in the Asia Pacific trenchless pipe relining market.



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