

# **Global Post-tensioning Systems Market Size Study, by Structure Type (New Structures, Structure Repairing), by Type (Bonded, Unbonded), by Application (Building, Bridge - Internal Post-Tensioning, Bridge - External Post-Tensioning, Energy and Power Industry, Others) and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/GE8B213E7CBDEN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GE8B213E7CBDEN

## **Abstracts**

Global Post-tensioning Systems Market was valued at approximately USD 13.22 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.36% over the forecast period 2024-2032. Post-tensioning systems, essential in the realm of construction, significantly enhance the strength and performance of concrete structures. This technique involves embedding high-strength steel tendons or cables within concrete, which are subsequently tensioned using hydraulic jacks once the concrete achieves sufficient strength. This method is pivotal in a variety of construction applications including buildings, bridges, parking structures, and slabs.

The Global Post-tensioning Systems Market is driven by rapid industrialization and urbanization, leading to an increased demand for post-tensioning systems. Industrialization often leads to urbanization, with more people moving to cities for employment opportunities. This necessitates the construction of residential buildings, commercial complexes, and transportation infrastructure, all of which benefit from post-tensioning systems to improve structural integrity and optimize space usage. Moreover, infrastructure development plans and technological advancements in construction techniques are anticipated to create lucrative opportunities for the market. However, the market does face challenges; the requirement for specialized skills can drive up labor costs, potentially making post-tensioning projects less cost-competitive, which could hinder market growth during the forecast period.

The key regions considered for the Global Post-tensioning Systems Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America dominated the market in terms of revenue attributed to significant government initiatives and investments in infrastructure projects such as bridges and water systems in the U.S. The ongoing development and repair of commercial infrastructure in the region, which necessitate the use of post-tensioning systems to ensure structural integrity, are also significant growth drivers. Furthermore, the market in Middle East & Africa is anticipated to develop at the fastest rate over the forecast period 2024-2032.

Major market players included in this report are:

VSL International Ltd.

Tendon LLC

Keller Group Plc. (Suncoast Post-Tension)

BBV Systems GmbH

SRG Global

Amsysco Inc.

TMG Global Pte Ltd

Liuzhou OVM Machinery Co., Ltd.

DYWIDAG

Soletanche Freyssinet (Freyssinet)

The detailed segments and sub-segment of the market are explained below:

By Structure Type:

New Structures

## Structure Repairing

### By Type:

Bonded

Unbonded

### By Application:

Building

Bridge - Internal Post-Tensioning

Bridge - External Post-Tensioning

Energy and Power Industry

Others

### By Region:

#### North America

U.S.

Canada

#### Europe

UK

Germany

France

Spain

Italy

ROE

#### Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

#### Latin America

Brazil

Mexico

#### Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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