

Importance & Scope:

Civil engineers design, construct, supervise, operate, and maintain large construction projects and systems, including roads, buildings, airports, tunnels, dams, bridges, and systems for water supply and sewage treatment. Many civil engineers work in design, construction, research, and education.

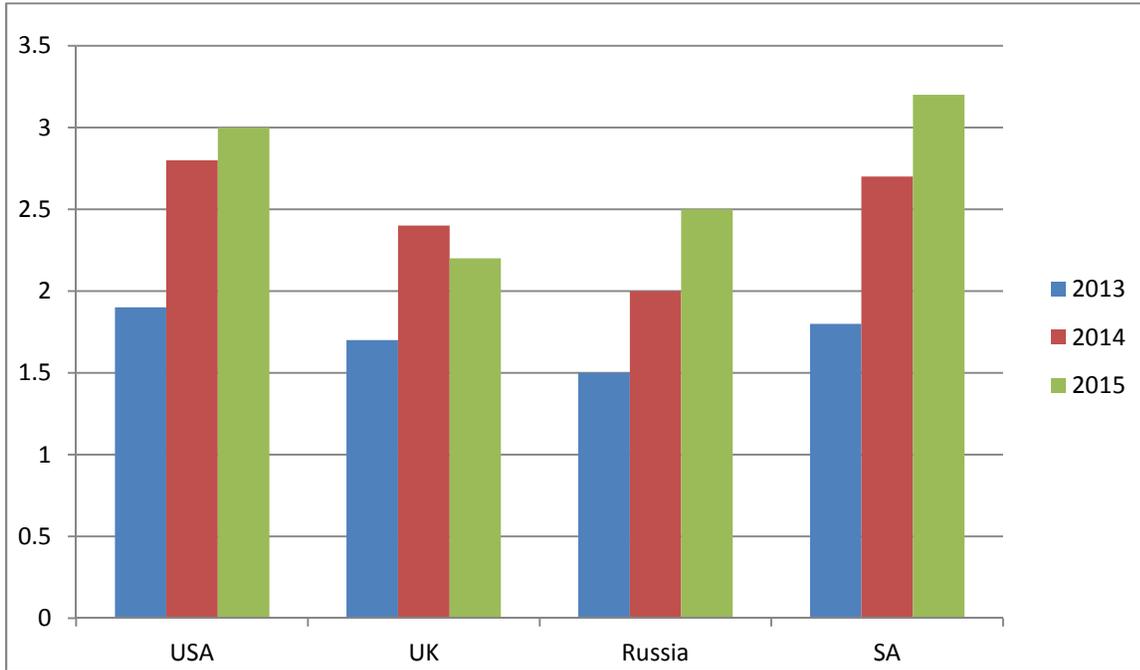
Construction spending is projected to exceed 1.07 trillion U.S. dollars in 2016. An updated market analysis from the US Bureau of Labor Statistics employment in Civil Engineering is projected to see the job growth of about 25% through 2018 faster than the average for all occupations. The field is growing. By checking out the department of labor and industries, the growth rate for Civil Engineering is 20% over the next 5 years. Moreover, a growing population means that new water systems will be required while the aging, existing water systems must be maintained to reduce or eliminate leaks of drinkable water. In addition, more waste treatment plants will be needed to help clean the nation's waterways. Civil engineers play a key part in all of this work.

Why South Africa?

South Africa's domestic economy continues to perform below potential, emerging market growth outlook deteriorates, while growth in advanced economies is slowly strengthening. Global growth is estimated to have increased by 3 percent in 2013, strengthening to 3,7 percent in 2014 and 3,9 percent in 2015. Economic activities has strengthened in advanced economies, while the outlook for emerging markets, although still positive, has weakened in recent months as emerging economies are adjusting due to higher levels of currency volatility capital inflows, current account and fiscal deficits, debt levels and varying levels of business and consumer confidence. Currency depreciation is likely to result in higher levels of inflation for most of the emerging economies, including South Africa. Economic growth in emerging markets is nonetheless expected to increase from an estimated 4,7 percent in 2013, to 5,1 percent in 2014. Because of an expected slowdown in China's economy, emerging markets are expected to slow to 4,7 percent in 2015. Developing economies account for a growing share of global trade and investment, from 18 percent twenty years ago to 38 percent, which means these economies will have a more profound global impact.

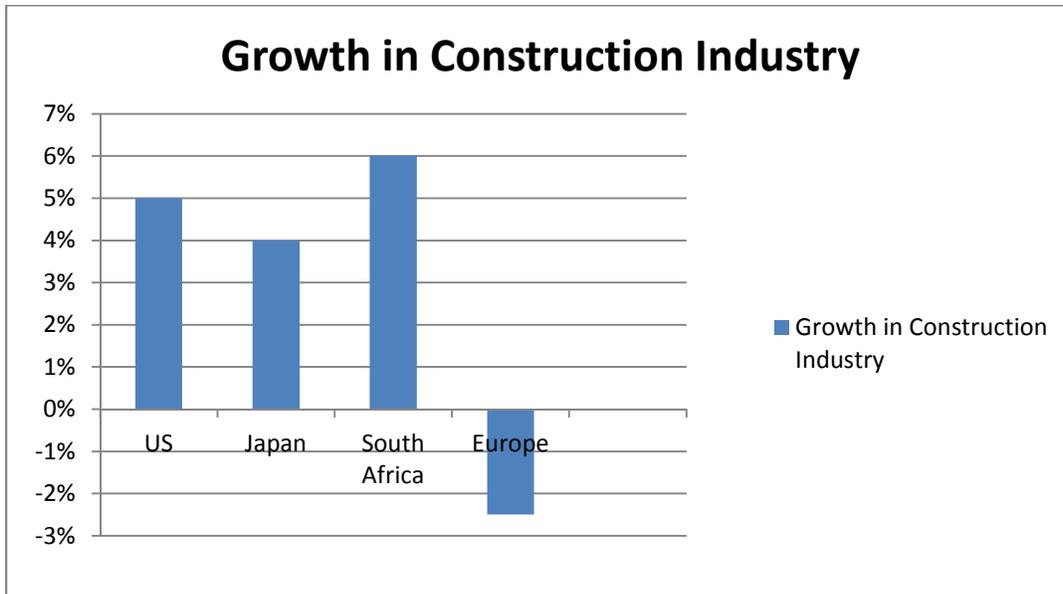
Cape Town is a port city on South Africa's southwest coast, on a peninsula beneath the Imposing Table Mountain. Slowly rotating cable cars climb to the mountain's flat top, from which there are sweeping views of the city, the busy harbor and boats heading for Robben Island in Table Bay. The notorious prison that once held Nelson Mandela is now a living museum

World Economic outlook on civil engineering in South Africa



Growth in Construction Industry in 2015:

This statistic gives a breakdown of construction industry growth rates in selected regions worldwide in 2015. In the South Africa, construction output increased by 6% in the year of 2015



Why to attend??

With members from around the world focused on the field of Civil Engineering; this is your single best opportunity to reach the largest assemblage of participants from the global Civil Engineering Industries. Conduct demonstrations, distribute information, meet with current and potential civil traders, make a splash with a new product line, and receive name recognition at this 3-days event. World-renowned speakers, the most recent techniques, tactics, and the newest updates in Civil Engineering fields are hallmarks of this conference. Conference brings together experts, researchers, scholars and students from all areas of Civil Engineering, Architectural, Structural Engineering, Geo-Technical, Environmental and other related areas, Civil associations, civil traders, building and construction professionals, Developers, Contractors, Interior Design, Consultancy, Building Material manufacturers.

Conference Highlights

- Civil and Structural Engineering
- Civil Engineering and Design
- Sustainability in Civil Engineering
- Geo-Technical Engineering
- Architecture and Urban Planning
- Hydraulics and Hydro-Power Engineering
- Bridge Engineering
- Transportation engineering
- Land and Construction Surveying
- Coastal Engineering and Management

Major Societies and Associations around the Globe

- American Society of Civil Engineers (ASCE)
- Civil and Environmental Engineering Student Association
- Institution of Civil Engineers
- The Institution of Civil Engineering Surveyors
- Institution of Engineers of Ireland
- Institute of Transportation Engineers
- Pakistan Engineering Council
- Philippine Institute of Civil Engineers
- Transportation Research Board

- Earthquake Engineering Research Institute

Major Societies and Associations in South Africa

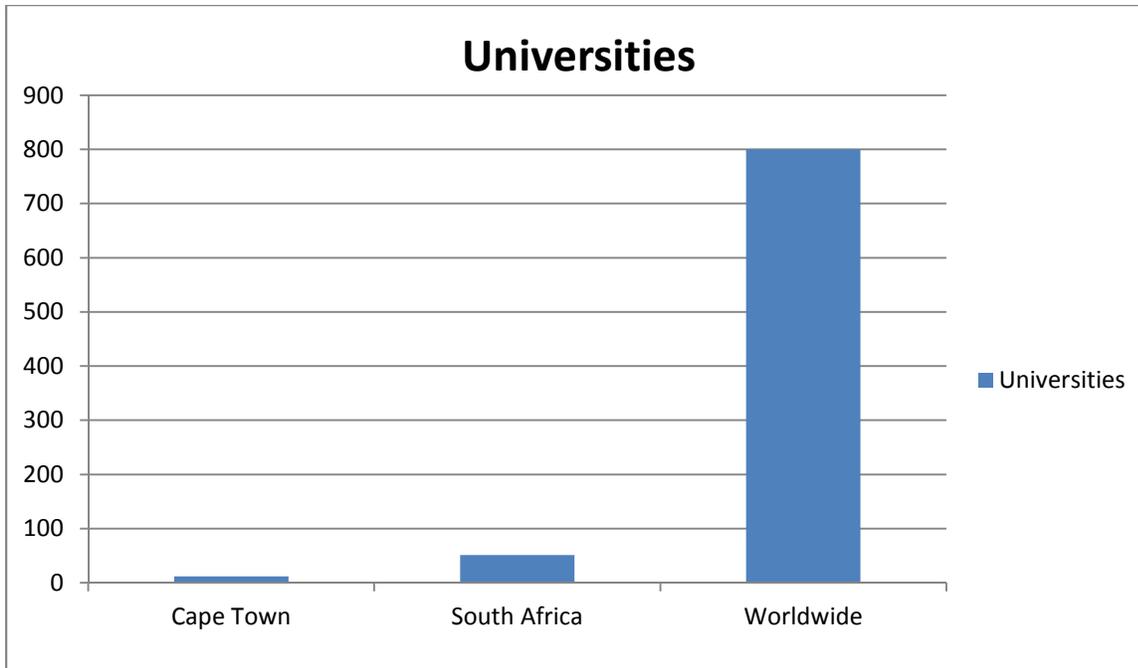
- South African Institution of Civil Engineering
- South African Forum of Civil Engineering Contractors
- South African Institute of Steel Construction
- South African Society for Railway Engineering (SASRE)
- National Society of Black Engineers (NSBE)

Target Audience

Engineers who are specialized on the specific fields like Civil engineers, Structural Engineers, Mechanical Engineers (To Present Their case reports and to update their Knowledge at the conference), Civil industry professionals, Building services engineer, Building control surveyor, Environmental engineers who are related to that topics. Bridge Construction Industries, Renewable Energy Industries, Software Publishing Houses specializing in Construction Design software's are the Potential Exhibitors for the Respective Conferences. Civil Engineering associations, Earthquake Engineering Research Institutes, Institutions of Civil Engineering Surveyors, Institutions of Transportation Engineers; Students and Delegates in related areas.

Top Universities in South Africa

- University of South Africa
- University of Cape Town
- Nelson Mandela Metropolitan University
- University of Johannesburg
- University of Pretoria
- Cape Peninsula University of Technology
- University of the Western Cape



Companies Associated with Civil Engineering

Top Companies in South Africa

- SNA Civil & Structural Engineers (Pty) Ltd
- Aurecon Group Brand (Pte) Ltd
- HHO Africa
- WK Construction (Pty) Ltd
- Strata Civils
- Esor Ltd.
- Haw & Inglis Group
- KBK Engineers

Top Companies Worldwide

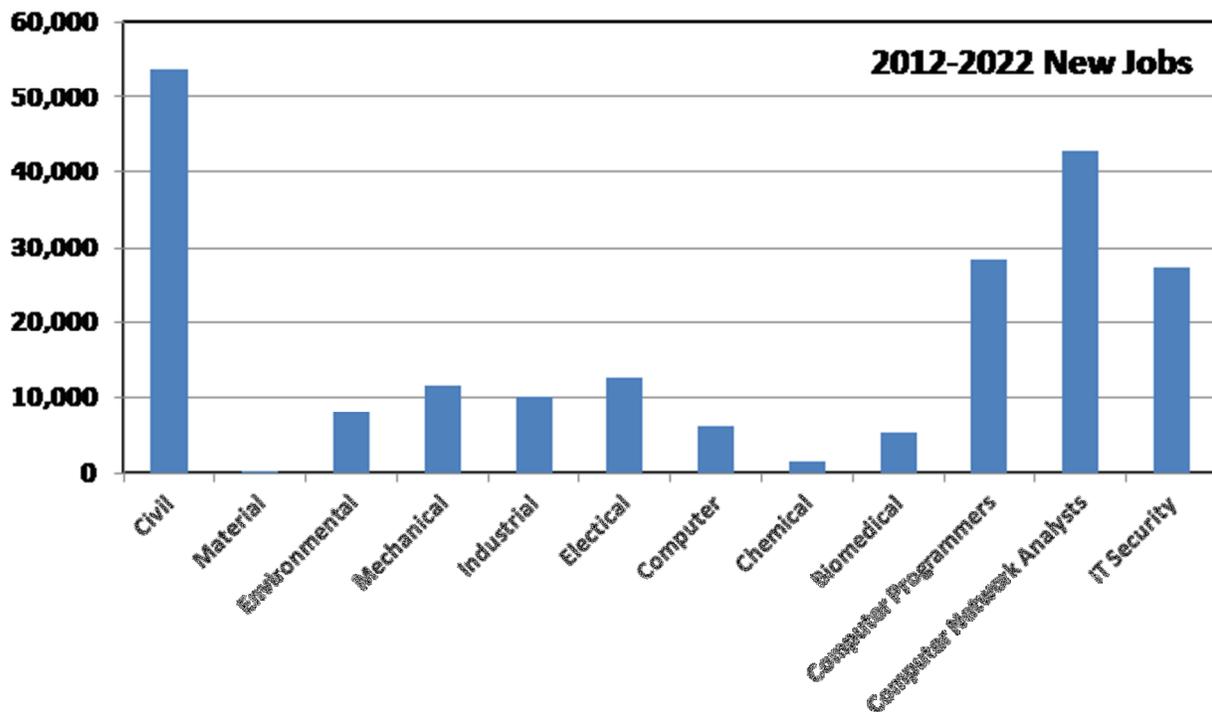
- LEIGHTON
- STRABAG
- SNC-Lavalin
- MT Hojgaard
- HOCHTIEF
- TAISEI Corporation
- Murray & Roberts
- Arabtec Construction, L.L.C.

Software used in Civil Engineering

- Building Information Modeling
- AutoCAD Civil 3D
- SAP 2000
- Project management software
- HEC-RAS
- ETABS
- Micro Station
- Revit Architecture
- SketchUp

Glance of global market analysis of Civil Engineering:

The global civil engineering sector had total revenues of \$1,964.0bn in 2013, representing a compound annual growth rate (CAGR) of 7.3% between 2009 and 2013. The performance of the sector is forecast to accelerate, with an anticipated CAGR of 8.7% for the five-year period 2013 - 2018, which is expected to drive the sector to a value of \$2,979.7bn by the end of 2018.



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References:

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