

thyssenkrupp presents next generation of compact bucket wheel excavators at MINExpo INTERNATIONAL® 2016

New “Barracuda” and “Mine Shark” machines require less vehicles and manpower, resulting in reduced operating costs

The Industrial Solutions business area of thyssenkrupp, a leading provider of open pit mining technology and systems, presents a new generation of compact bucket wheel excavators at MINExpo INTERNATIONAL® 2016 in Las Vegas. The “Barracuda” and the “Mine Shark” have the ability to work in hard materials with compressive strengths up to 50 megapascals (7,200 psi).

While bucket wheel excavators today typically work in soft and medium-hard rock with an uniaxial compressive strength between 2 and 10 megapascals (1,450 psi), thyssenkrupp’s new machines are capable of working in a broad range of materials, including coal, limestone, phosphate rock, potash and frozen materials in winter conditions, as well as in the corresponding overburden layers.

thyssenkrupp engineers created special bucket and tooth designs in order to meet the demands of these severe working conditions. The designs are based on innovative testing methods and include a larger number of teeth and buckets. These advancements for bucket wheel excavators demonstrate the changing character of the extraction process from digging to cutting.

The combination of extracting and loading processes within a single machine eliminates hazardous and ecologically harmful blasting, as well as additional material handling activities. The new bucket wheel excavators produce throughputs of over 3,000 mtpd and require less vehicles and manpower, resulting in significantly reduced operational expenditures.

Visitors to MINExpo 2016 can experience a virtual reality simulation of the “Barracuda” and the “Mine Shark” bucket wheel excavator systems, and discuss their working principles and application possibilities at the thyssenkrupp booth (North Hall, # 3051).

About thyssenkrupp Industrial Solutions:

The Industrial Solutions business area of thyssenkrupp is a leading partner for the engineering, construction and service of industrial plants and systems. In addition to mining, ore processing and port handling equipment, its portfolio also includes chemical, coke, refinery, cement and other industrial plants, along with corresponding services. In the naval sector, thyssenkrupp is a leading global system supplier for submarines and surface vessels. As an important system partner to our customers in the automotive, aerospace and battery industries the company optimizes the value chain and improves performance. In collaboration with its customers, thyssenkrupp develops top-quality solutions and delivers efficiency, reliability and sustainability over the entire life cycle. Around 19,000 employees at over 70 locations form a global network with a technology portfolio that guarantees maximum productivity and cost-efficiency.

For more information visit: www.thyssenkrupp-industrial-solutions.com.

About thyssenkrupp in North America:

thyssenkrupp North America, Inc. oversees more than 400 facilities in the United States, Canada and México. In fiscal year 2014/2015, thyssenkrupp generated sales of approximately €9.8 billion (\$11.25 billion) in the region, accounting for almost 23 percent of the Group's total sales. This makes the region the Group's biggest sales market after Germany and other member countries of the European Union.

For more information visit: www.thyssenkrupp-north-america.com

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