

# THE INTELLIGENT SOLUTION TO CONVEY

Volume 1, Issue 1 – 30.06.2010

## SPECIAL POINTS OF INTEREST:

- » Cost effective solutions
- » Manufacture to European standards
- » Specialized in Conveyor Systems
- » Environmental Solutions

### Quarry & Mining LLC

P.O. Box: 9593  
Khor Kwair  
Ras Al Khaimah  
United Arab Emirates  
Tel: +971-7-2668790  
Fax: +971-7-2668795

### Quarry & Mining (KSA) Ltd.

P.O. Box: 8154  
Dammam 31482  
Kingdom of Saudi Arabia  
Tel: +966-3-8414444  
Fax: +966-3-8410588

E-Mail: [sales@quarry.ae](mailto:sales@quarry.ae)  
[www.quarry.ae](http://www.quarry.ae)

*We make things possible...*



Stone ladder dropping the material 9m step by step onto a conveyor

## THE STONE LADDER

One of our clients, who operates the largest quarry in the Middle East, commissioned us in 2007 to install a Conveyor System over a length of 2623 meters to convey pre-crushed limestone rock of size 0-400mm at 2,500 tph from the Primary Crushers to the Secondary Crushers. Over 10 million tonnes are transported annually and the system has been working now for over 2 years without any trouble. One of the most critical tasks was the design and manufacturing of a vertical steel ladder which brings the material from a bridge conveyor, which passes over a wadi and road with a clearance of over 9.00 meters, down to a land conveyor. The stone ladder is one of the many important design features of the complex system and it has been working without trouble from the beginning. The material is passing at a speed of 2.2 meters per second on a belt width of 1400 mm. The material is fed into the stone ladder through a purpose designed chute arrangement before passing over 4 steps, with dead boxes in each, to the lower chute and then cushioned and directed by another purpose designed chute arrangement onto the field conveyor.

## ABOUT US

At Quarry & Mining LLC we specialize in bulk-handling conveying and material handling systems and solutions for any application. Whether this is a requirement for an aggregates crushing plant, sand-washing plant, field-conveyor system or ship loader system we can provide a full engineering design for the application, structural steel work, conveyor manufacture and installation. With a team of over 100 qualified staff we are able to execute projects in our markets of United Arab Emirates, Kingdom of Saudi Arabia, Sultanate of Oman and the Gulf States Qatar, Bahrain and Kuwait.



Quarry & Mining Team