

## Halyps Cement (Greece)

### Automates ancient rock quarry production

#### Key Benefits

- Production conveyor systems given visibility and instant control
- Reduction in accidents, equipment damage and manual labor
- Company has been able to grow its Philanthropy and charitable contributions

#### Giving Sight to Production Control Visibility

Rock quarries are inherently an age old business that only automates as business demands drag it along. Modern quarry equipment and the automation of quarry operations to move more material out has progressed at a slow pace and the live visibility of these tools is most often very limited or non-existent. The time tested method of a manual inspection or intervention is slowing giving way to more automated production controls enabled by the use of Ethernet Extension equipment. Operators now have the luxury of placing remote sensing and conveyor system control gear on a smart LAN driven over extreme and harsh environmental conditions all thanks to Enable-IT Ethernet Extenders.

Halyps Cement Company (one of the largest companies in all of Greece) has leveraged the technology of Enable-IT Ethernet Extenders to provide new visibility and control over production operations. Extender kits were ruggedized and encased in NEMA/IP rated enclosures in the key production control areas and category rated cabling was able reach the necessary LAN based monitoring and control interfaces. Prior to using the Enable-IT Ethernet Extension equipment, this was not possible and required individuals to regularly venture out to each location to manually operate conveyor systems. Now it is enabled and automated to keep workers safe, better monitor the live production line and grow the operations to meet business demand without a major increase in labor costs.

#### Reducing Manual Labor and Equipment Costs

With the use of LAN based digital control equipment, more precise handling of live production operations can be monitored, controlled and augmented more quickly. Previously this level of production control was not available without manual operators at each of the controls requiring longer time to make adjustments not to mention the dangerous environment of a rock quarry. The Enable-IT Ethernet Extension equipment has allowed this to be automated in such a fashion so that workers safety is not compromised and the LAN equipment making the adjustments never grows tired of the repetition or makes mistakes. Overall production

## **Halyps Cement (Continued)**

has been able to triple and plant growth is able to more easily flex to meet changing output demands.

### **Increasing Production Output and Philanthropy**

Halyps Cement and Italcementi Group have funded many artistic performances to give back to its community and worldwide Greek art-loving patrons. As recent as 2008 Halyps actively participated in the effort which began throughout Greece to reconstruct the fire hit areas. Halyps Cement contributed to this effort by offering 3,500 tons of cement for infrastructure projects or/and residences in the afflicted areas, joining-in along with the country's business community via the information and coordination office set up by SEV (Hellenic Federation of Enterprises) in cooperation with the Emergency Aid Fund established for this purpose.

### **Ancient Site Propelled into New Century on the Back of Ethernet Extension Kits**

The Ethernet Extension equipment has provided the company with a new prospective on how to leverage digital technology to control, manage and profit from this age old quarry business.

### **Solutions Used**

- Enable-IT 860 LRE Kit - 100Mbps Full Duplex Ethernet Extender Kit up to 6,000 feet