

## Quarry Management

### **Participants:**

Sr. Geologists & Sr. Production Engineers

### **Course contents:**

- Management Plan for New Quarry
  - Selection Details
  - Location and Layout
  - Selection Criteria
  - Agreement with landowners
  - Licenses and permits
- Geology
  - Raw Material characteristics
  - Clay and limestone Quarry
  - Geologic structures
  - Geologic problems
  - Quarrying development
  - Quarrying case studies
- Operation
  - Method of extraction
  - Loading and haulage
  - Drilling, Blasting & Breaking
  - Extraction & Processing
  - Crusher Plant
  - Storage of explosives
  - Products
  - Testing and quality assurance
  - Water sourcing
  - Safety
  - Workers Accommodation

- Environmental Management
  - Environmental Management during Operation
  - Removal of trees and plants
  - Overburden
  - Silt management
  - Surface water drainage
  - Soil and water contamination
  - Air pollution
  - Noise
  - Traffic
  - Approach road
  - Environmental Management at Closure of the site
  - Dismantling and removal of machinery
  - Slope stabilization and / or protection
  
- Quarry Rehabilitation
  - Removal of debris and solid waste