

## **Open Pit Mining Case Study**

### **Case Study #4 - Conditions**

- Reliability was not considered a priority by anyone
- Production thruput was believed to have reached its maximum at 9.3 MM tons/month without the introduction of new technology
- Root Cause Analysis (RCA) was done superficially
- Data systems were fragmented, recording mainly the manifestations of failure
- Teaming concepts were introduced, but were not accepted by the wage-roll and 1st line supervisors

### **Case Study #4 - Elements Introduced**

- Reliability policy set by the executive management
- Management focus sessions held in all of the key production areas
- Reliability vocabulary established
- Proaction accepted as the desirable way to conduct business
- Root Cause Analysis (RCA) established as a culture
- The concept of the “Significant Few” introduced as a necessary paradigm
- Wage-roll and 1st line supervisors involved in the development of a training package to introduce the entire organization to reliability concepts

### **Case Study #4 - Benefits**

- \$17,000,000 Saving against budget
- 20% Increase in thruput
- 8% Reduction in maintenance costs
- Cost/unit at all time low
- More committed workforce whose ideas are being utilized