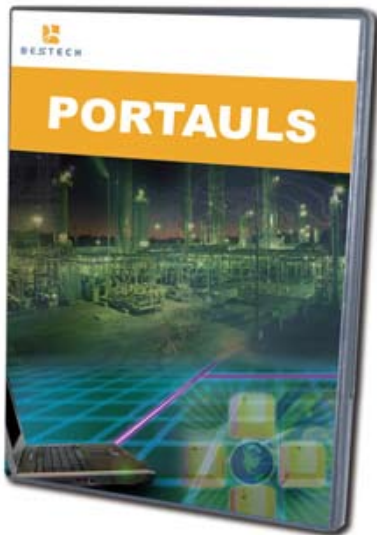
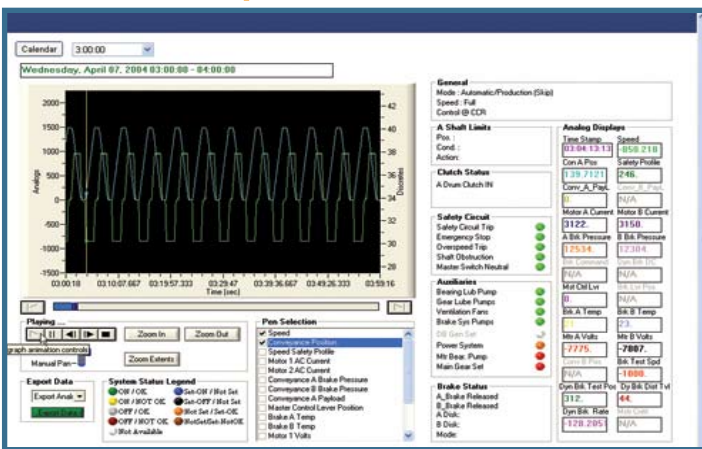
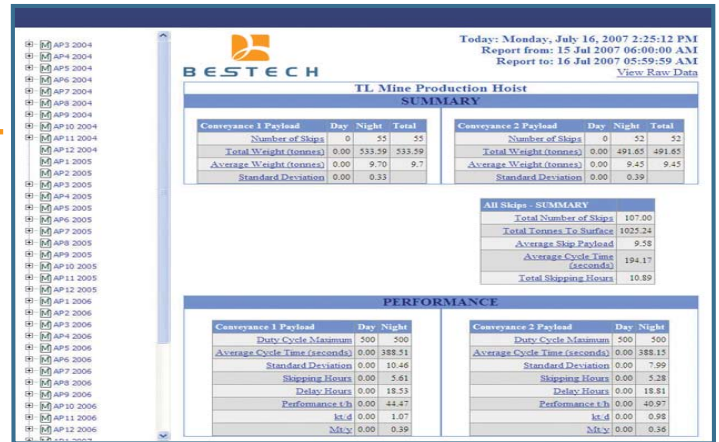


# OUR PRODUCTS



## PORTAULS® Plant Optimization Resource Tracking Asset Utilization and data Logging Software

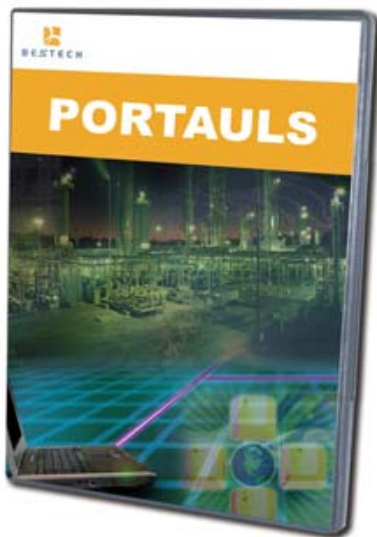
PORTAULS® is a web-based, modular software application designed to analyze industrial processes and automatically identify opportunities for improvement. Data is collected from automation systems and processed within the PORTAULS® framework. The resulting knowledge is presented through asset-specific reports targeting various levels within an organization. Reports have been designed with managers, supervisors, engineers and operators in mind. They report data in a standard format that is easily understood by everyone in the organization.



“ON TIME, ON BUDGET AND ON SPEC”



## OUR PRODUCTS



### Modules

- Alarms
- Compressors
- Conveyors
- Crushers
- Dewatering pumps
- Drills
- Hoists
- LHDs
- Loading Pockets
- Rock Breakers
- Trucks
- Ventilation Fans

### Testimonials:

**Hoist Deceleration Rates** – Regulations state that the deceleration rate of mine hoist cages must be below a certain threshold. Workers riding in the cage felt the cage was decelerating too quickly and the hoist had to be operated at half speed for several shifts until the problem could be diagnosed with a hardware analyzer. The PORTAULS® system was running and captured the deceleration rate during this occurrence, indicating that the rate was within regulations and therefore avoiding additional cage trips at reduced speeds.

**Unauthorized Use of Equipment** – Automated mine hoists produce consistent results for their clients. During automated hoisting a particular operator was taking manual control in order to move personnel to different levels within the mine site. Supervisors noticed a drop in production, verified the causes in PORTAULS® and were able to communicate the importance of staying in automatic hoisting to maximize production and personal performance. The occurrences of these unauthorized trips were reduced to zero.

**Common Language** – PORTAULS® reporting standards gave operators at three mine sites a common platform for communicating their operational performance. Objective measurements meant that production meetings and monthly reporting gave a clear picture of what was achieved (independent of user-defined targets). Sites are now accountable for maintenance and production time as it related to a common set of Key Performance Indicators.

