

Improving Processes. Instilling Expertise.





Welcome

QUARRY ACADEMY®

Improving Processes. Instilling Expertise.

John Watson DYNO Dyno Nobel



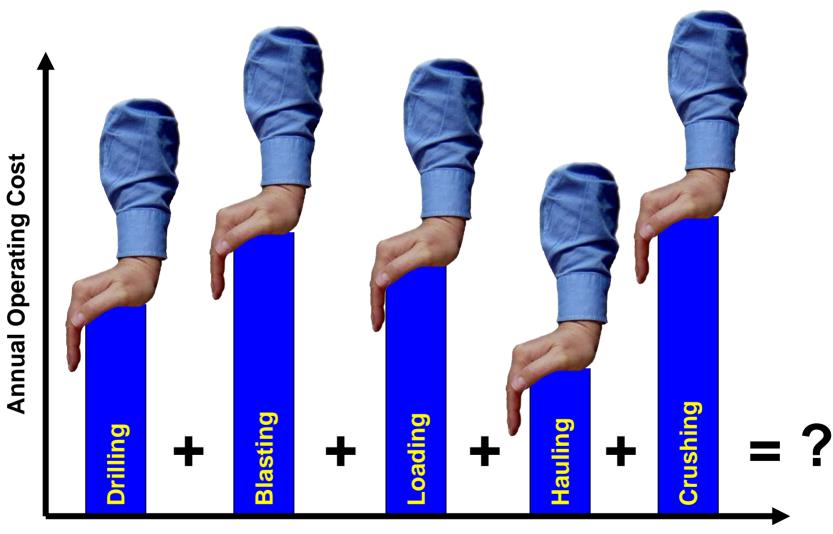
Program Agenda

- Program Overview/Agenda
- Today's activities
- Safety Logistics (site protocol)
- Introduction of faculty
- "Clicker" systems test
- Anti-trust reminder
- Value Chain / Lean Thinking Concept





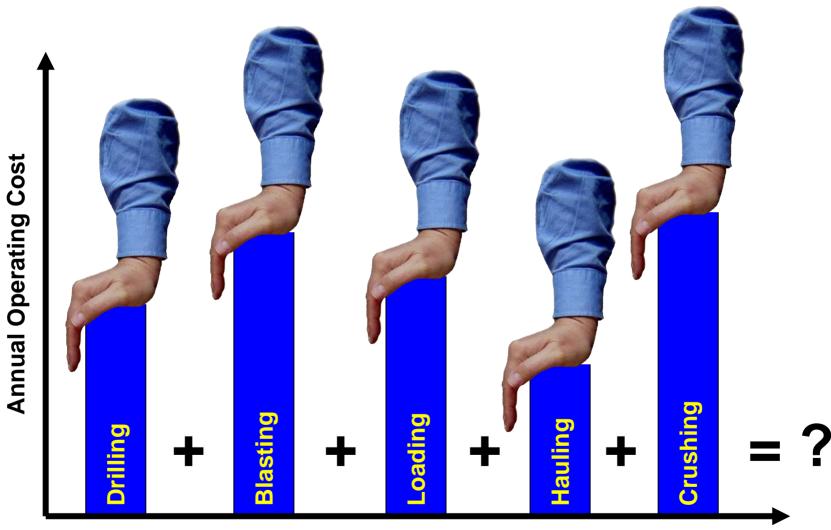
The "Silo" Costing Approach



Unit Operation Division

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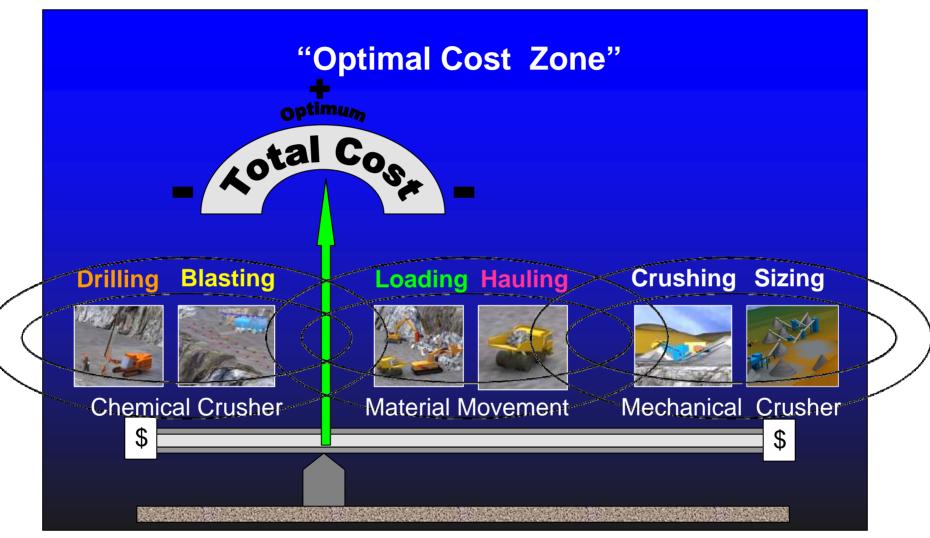
The "Silo" Costing Approach



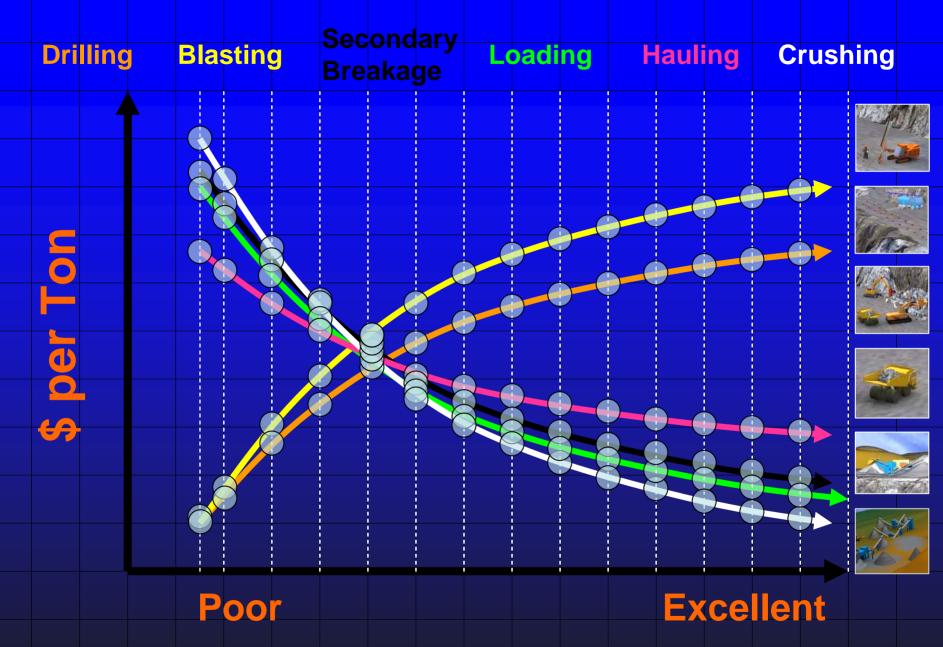
Unit Operation Division

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Getting the Right Balance







Degree of Fragmentation

Combined Unit Operational Costs













Poor Excellent Degree of Fragmentation

Optimal Economic

Zone

The "Sweet Spot"

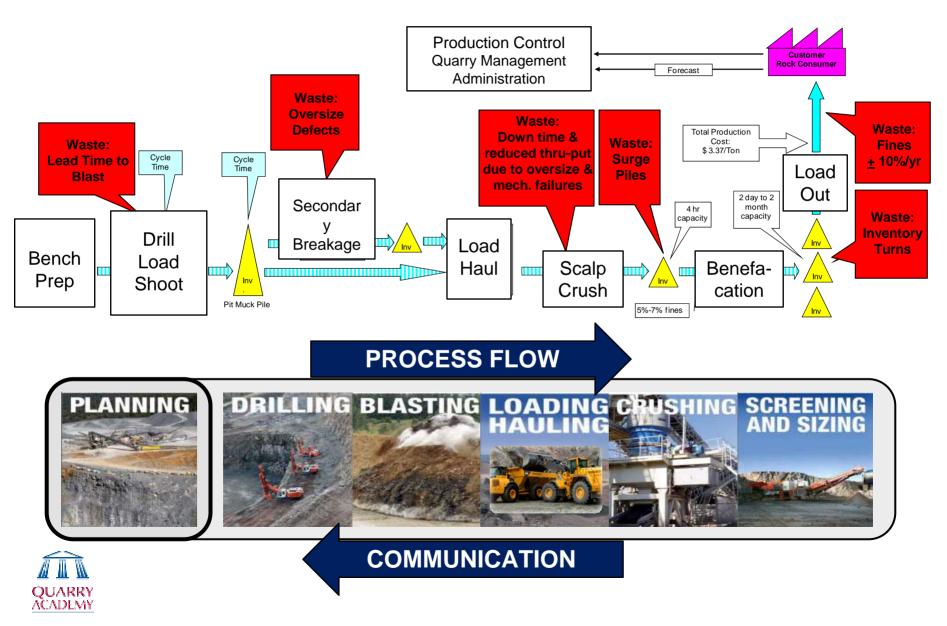


The Value Chain – Lean Thinking



QUARRY ACADEMY The interaction of ground.

The Value Chain / Lean Thinking



The Value Chain / Lean Thinking

Get the Waste Out of the Process...

✓ Time

- Over-Production
- Movement / Motion
- Inventory

- Out of Spec Product
- Under-Production



It's Competitive Out There...

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