

*Lighten Your Energy Footprint and
Lower Your Total Costs*

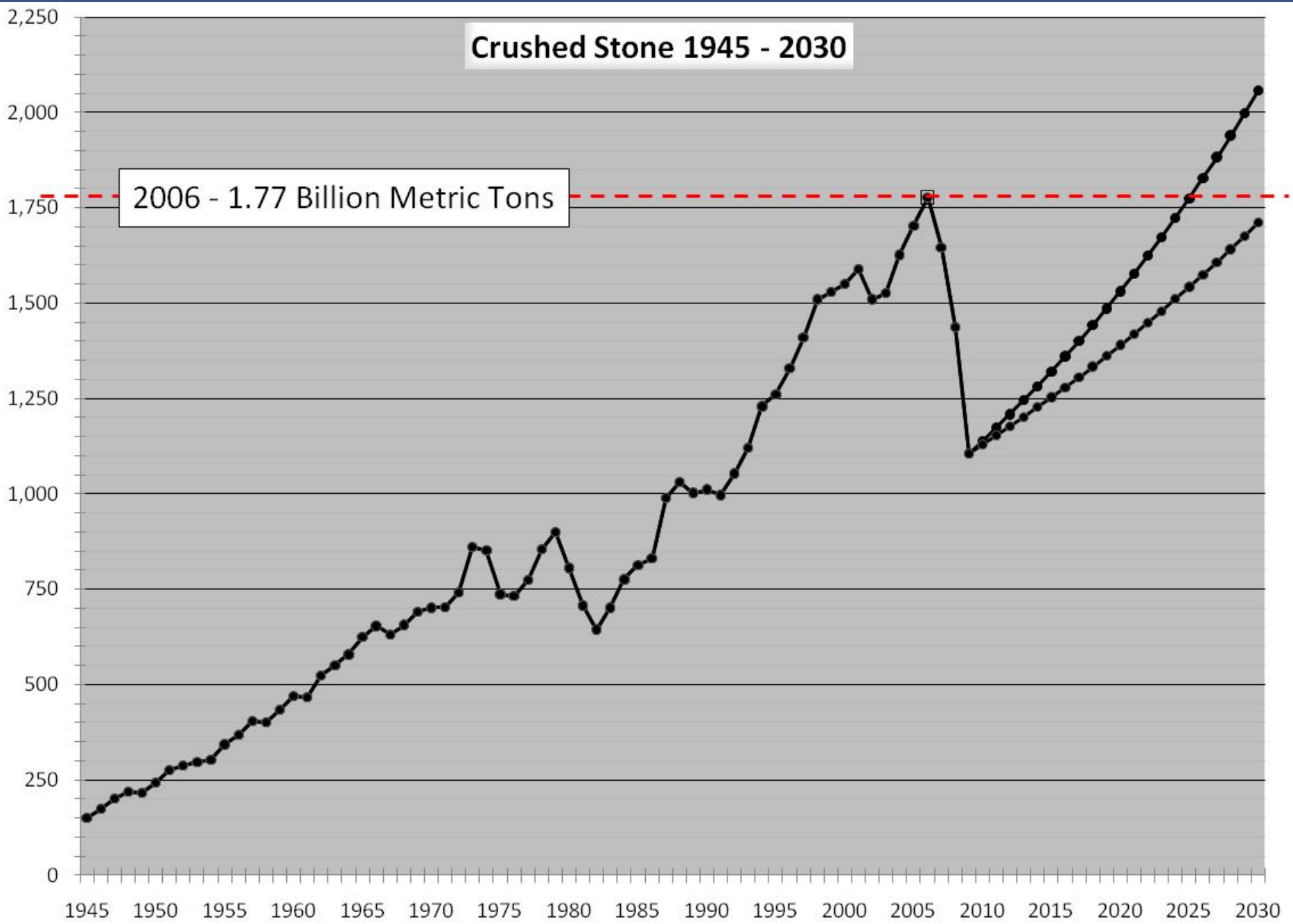


**QUARRY
ACADEMY**

LIGHTEN UP!

Crushed Stone 1945 - 2030

2006 - 1.77 Billion Metric Tons



Program Overview

- **Faculty – Over 500 + Years of Experience**
- **Value Chain / Lean Thinking Concept**
- **3 day Curriculum – Full Value Chain Approach**
 - ✓ **Lean Enterprise Thinking Applied - “Rock Factory”**
 - ✓ **Best Process and Practices - Sandvik / Volvo / Dyno Nobel**
 - ✓ **Keynote – Astronaut Mike Mullane - “Rocket Factory”**

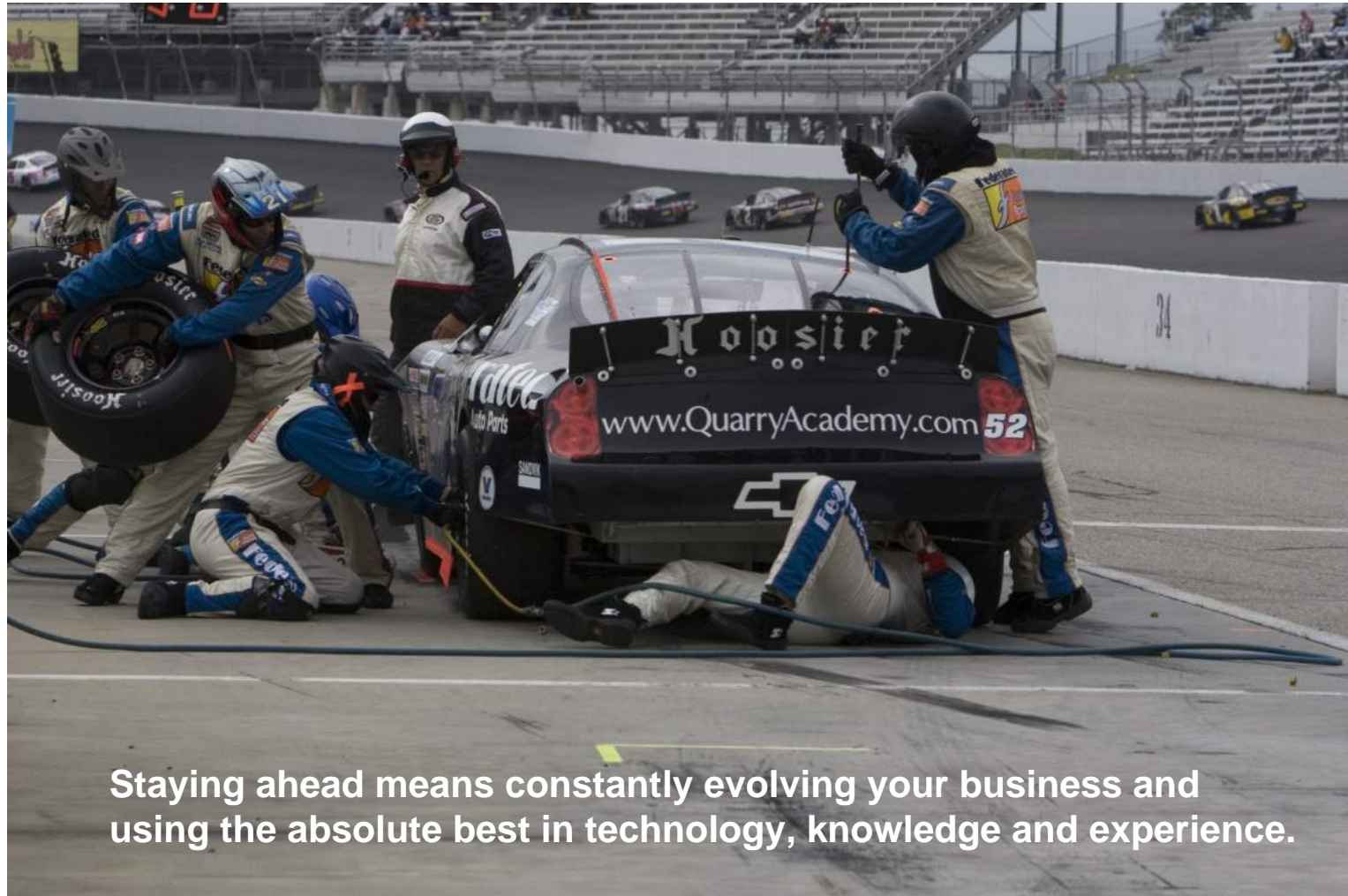


Program Approach

- Lectures on critical “mass” issues – “Best Practice”
- Workshops for specific focus / individual interest
- Field trip for “hands on” exposure
- What’s on YOUR mind... Interactive “Clicker” Questions
- Link it together – Total Value Chain Thinking
- Refer Course Outlines and Bios – 2011

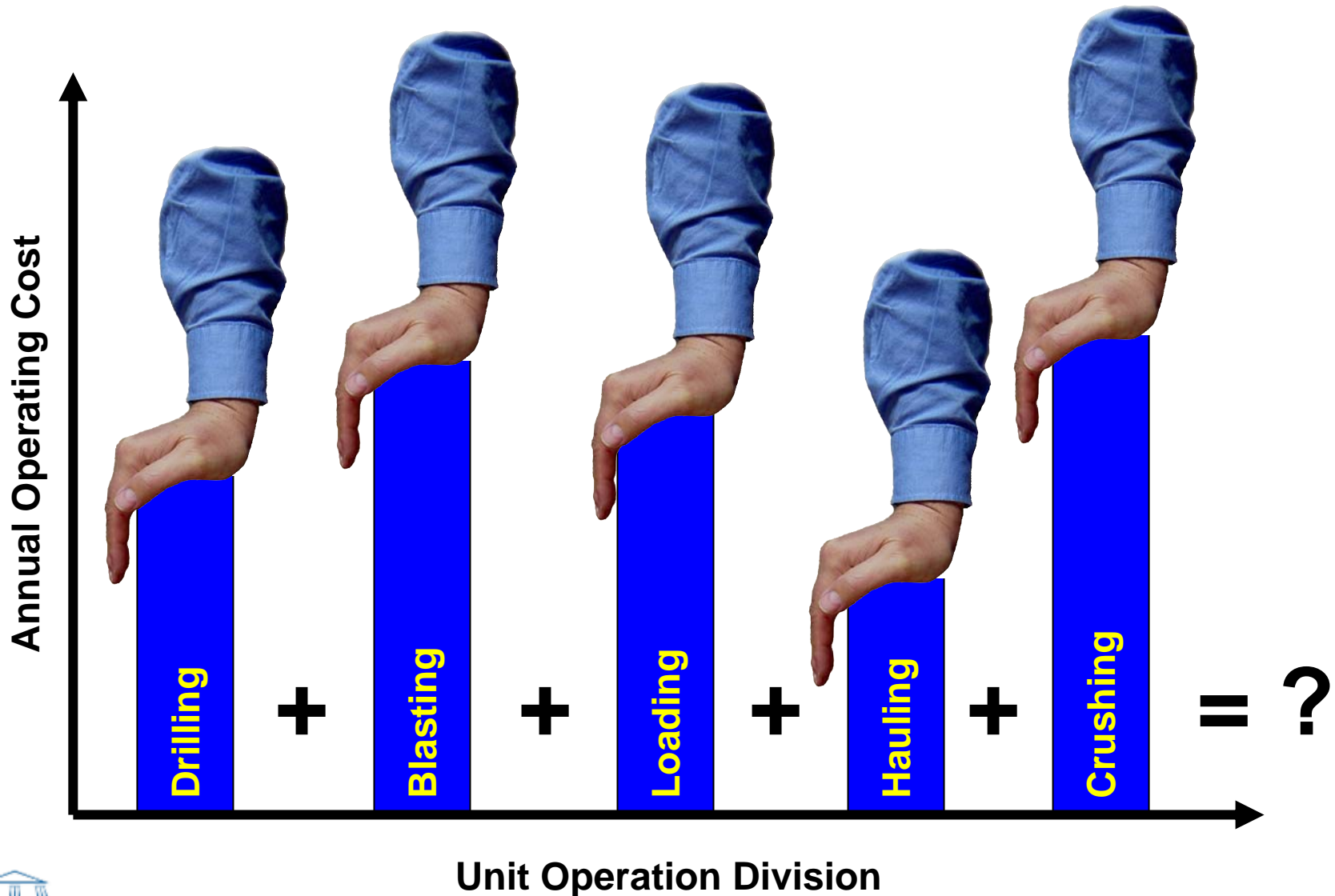


Its Still Competitive Out There...

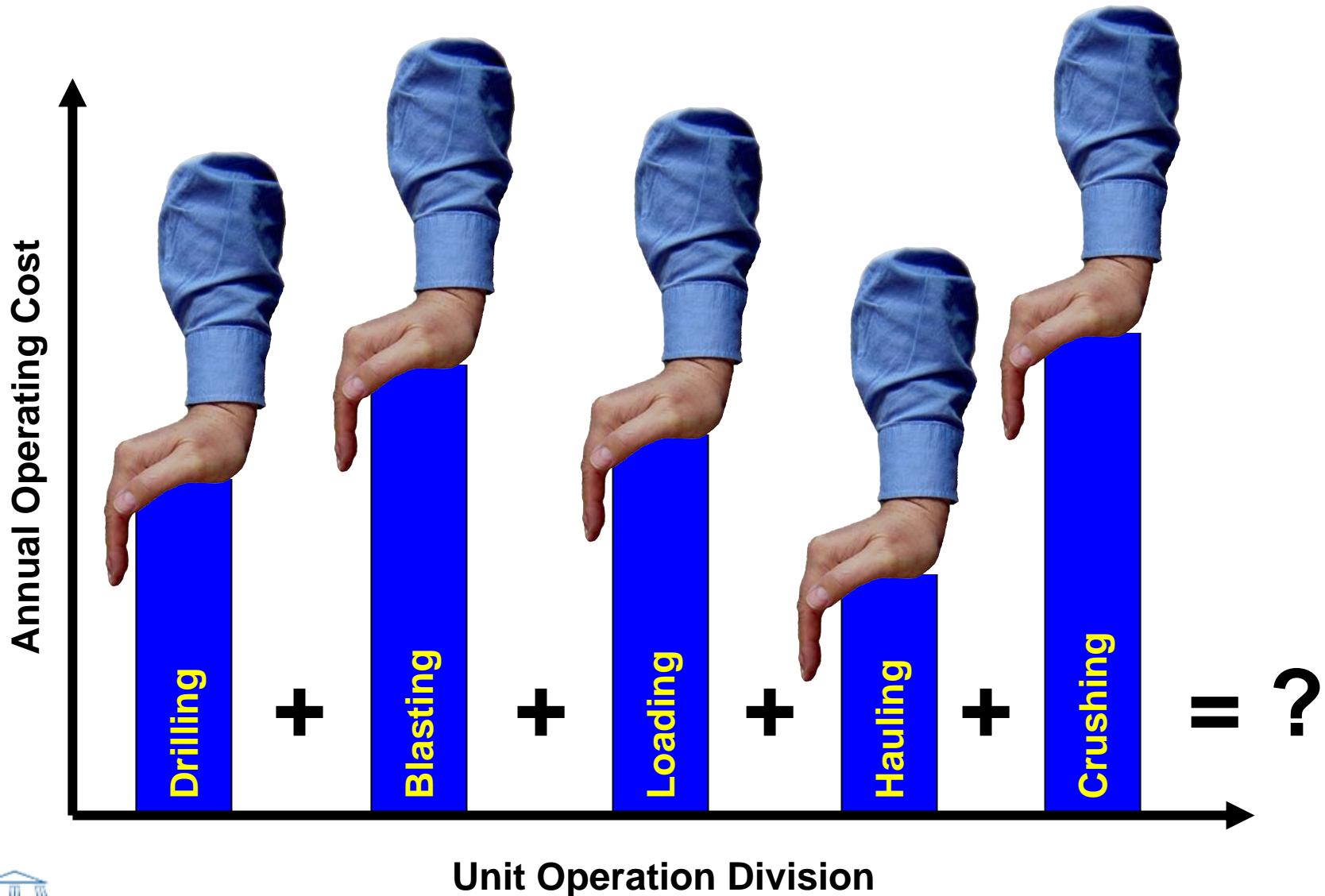


Staying ahead means constantly evolving your business and using the absolute best in technology, knowledge and experience.

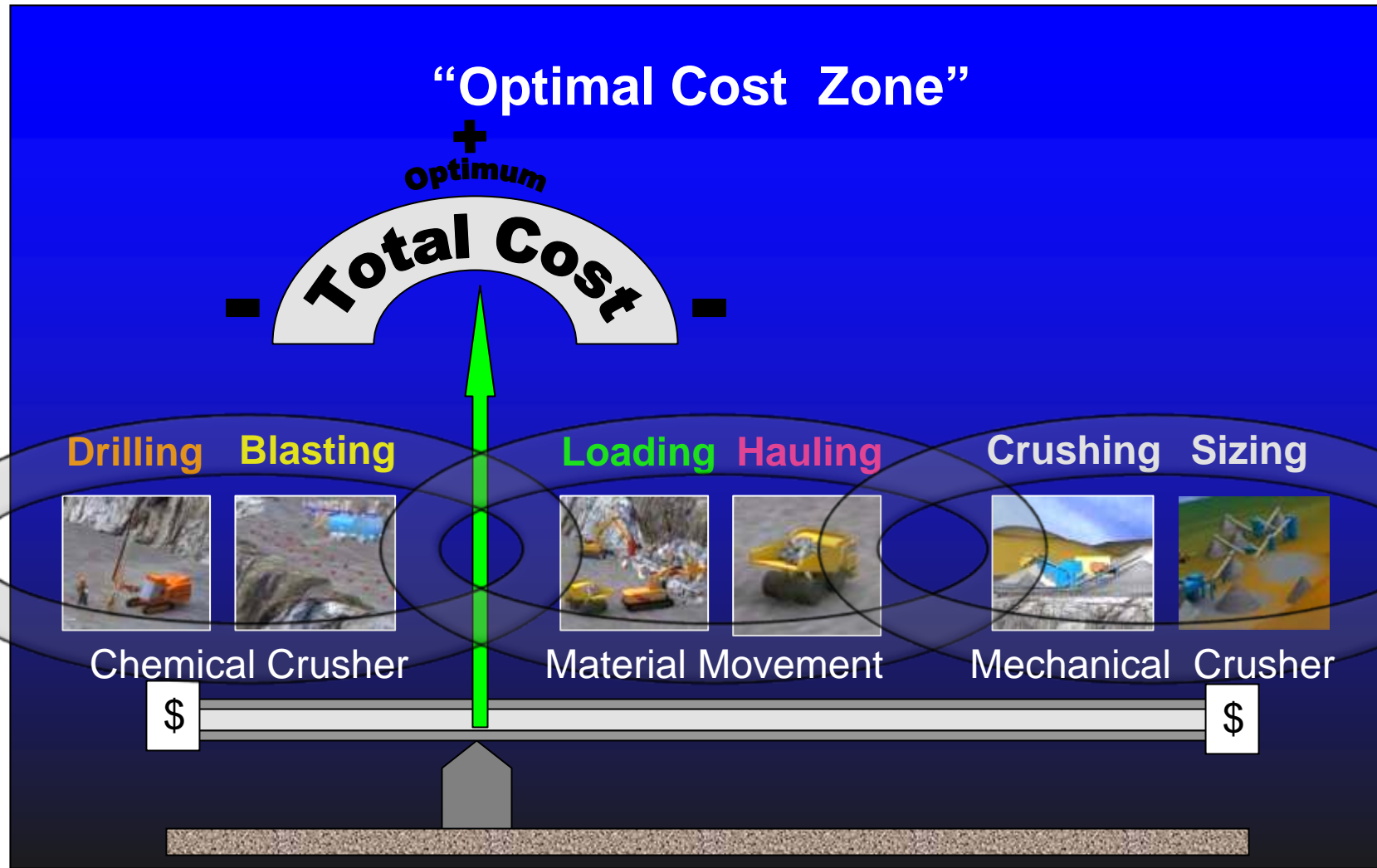
The “Silo” Costing Approach



The “Silo” Costing Approach



Getting the Right Balance



A pit crew in white and blue uniforms is working on a black Chevrolet race car. The car has 'Hoosier' and 'www.QuarryAcademy.com 52' on the rear. One crew member is kneeling by the front wheel, another is holding a tire, and another is using a tool on the rear. The scene is on a racetrack with other cars and spectators in the background.

It's Competitive Out There...

In today's economic environment, conditions can change fast. Staying ahead means constantly improving your business and using the absolute best in management, technology, knowledge and experience.

That's what we're here for...

Understand The Full Customer Value Chain

Lean Thinking Applied...



Our “Link” to a Competitive Advantage...
and we believe yours too!

\$ per Ton

Drilling

Blasting

**Secondary
Breakage**

Loading

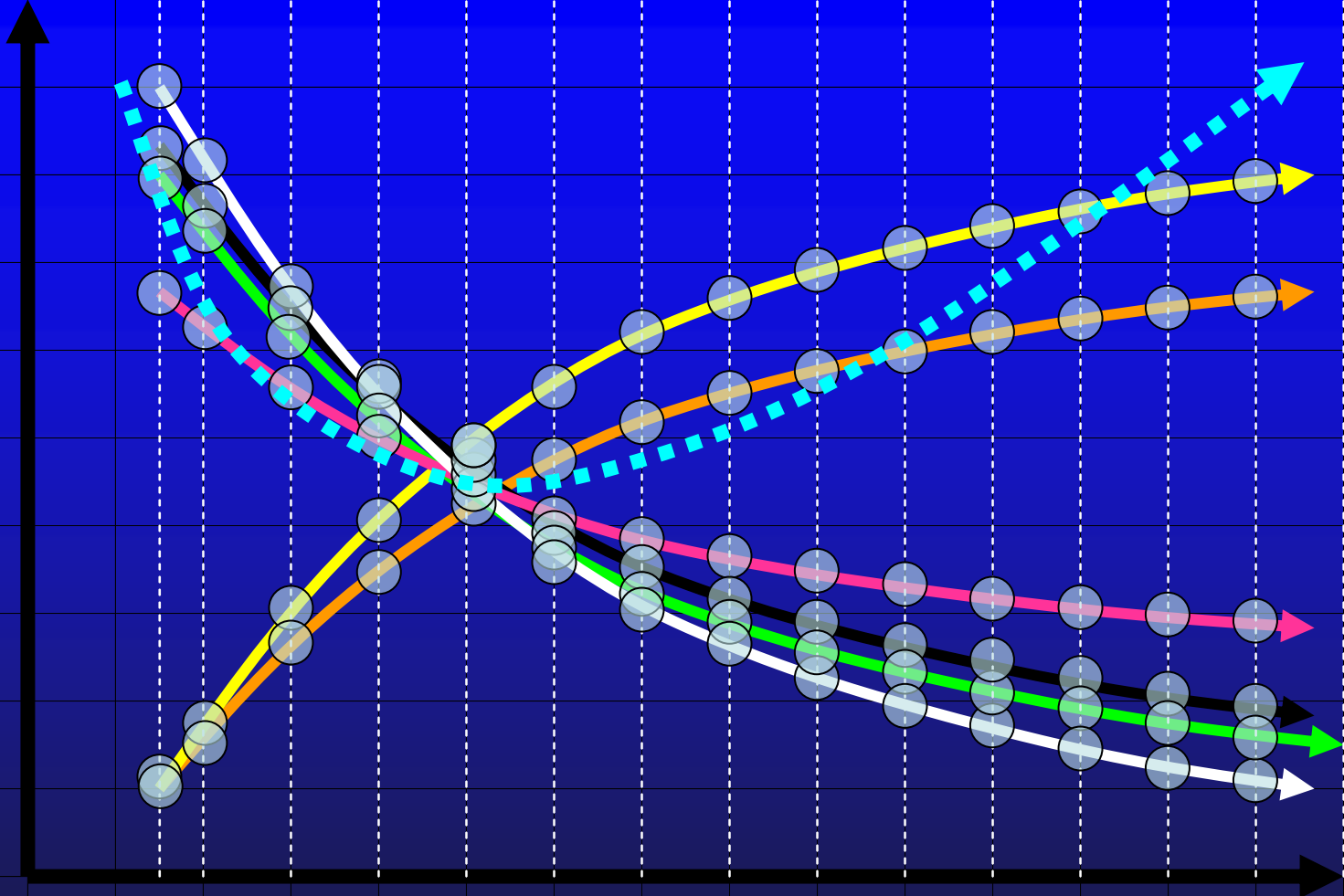
Hauling

Crushing

Poor

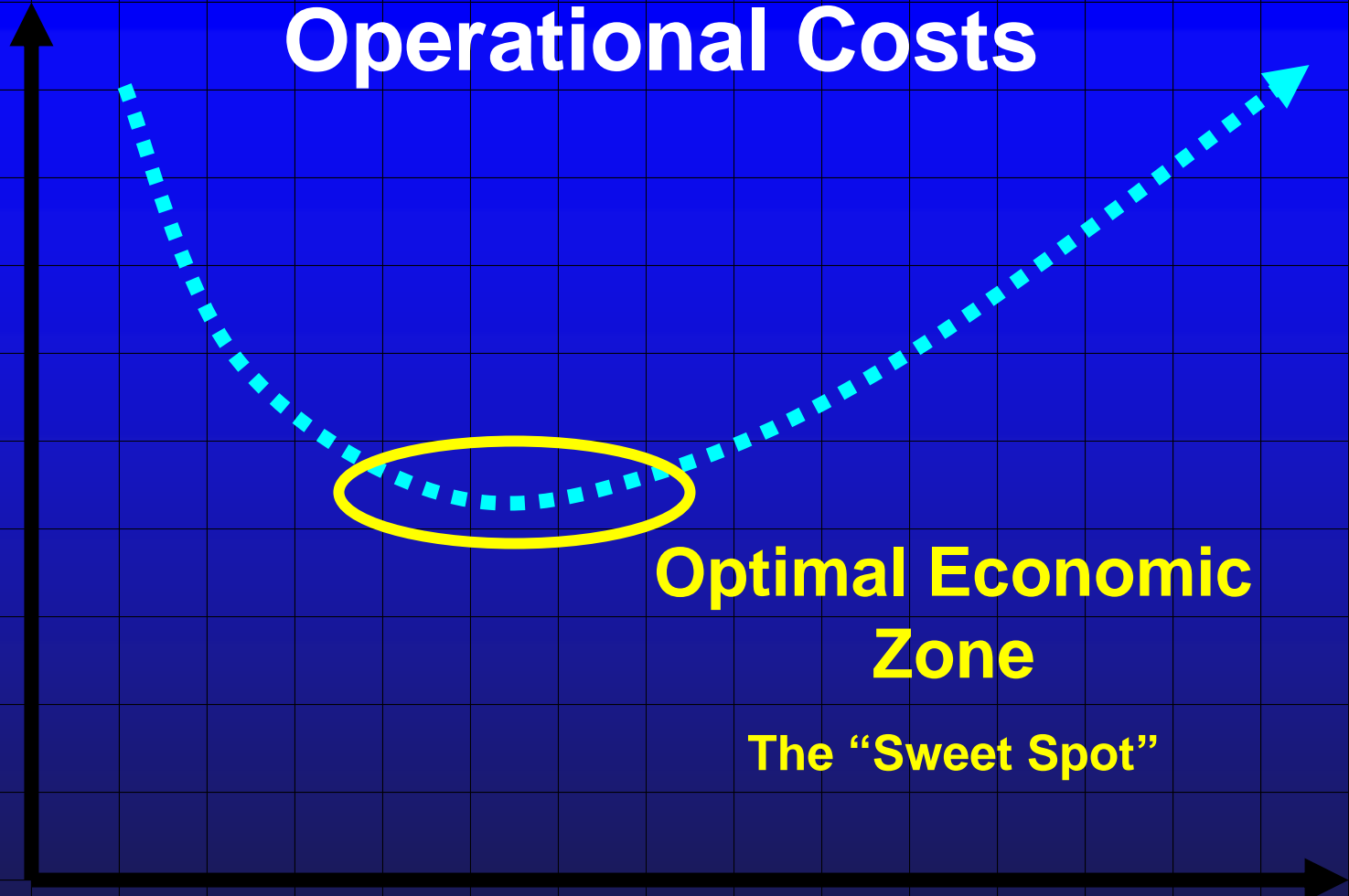
Excellent

Degree of Fragmentation



Combined Unit Operational Costs

\$ per Ton

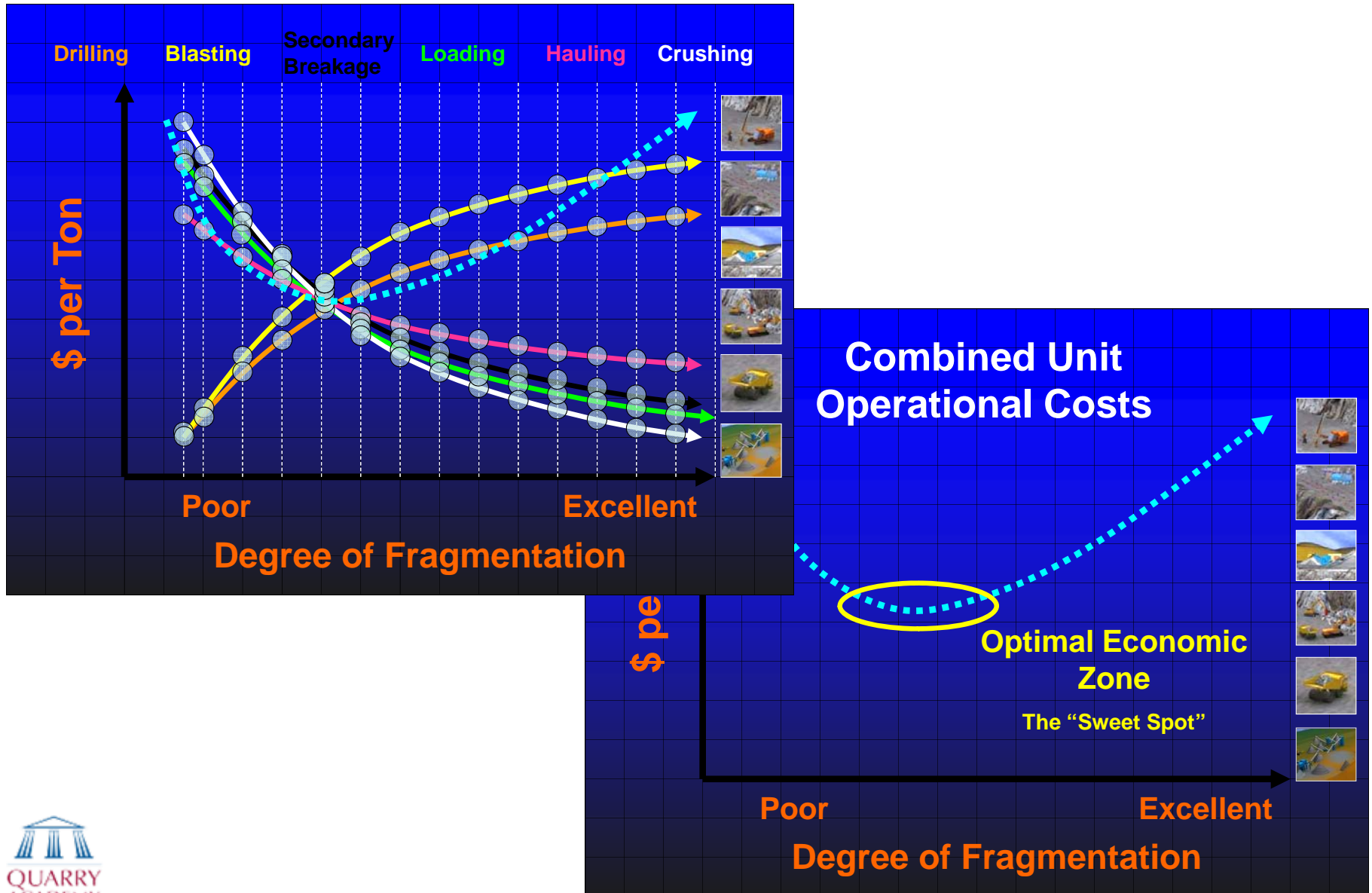


Poor

Excellent

Degree of Fragmentation

The Goal... Improve Competitiveness



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LIGHTEN UP!