

Production Efficiency

Selective Products from specific locations



Portables vs. Fixed Plants Statement:

When the market and operational environment **changes**, the unspoken working assumptions and **habits** that worked in the **past** need to be checked and verified for current validity.

Mobile vs. Fixed

Would it Make more sense to do this?



Fixed Plant Advantages Compared to Mobile Plants

1. Larger Production or Tonnages
2. Longer Return On Investment
3. Longer Life on the Machines
4. Very Dependable Production
5. Produces Larger Volumes
6. Lower Per Ton Product Costs
7. Longer Maintenance Periods
8. Cheaper over longer investment periods



Mobile Plants

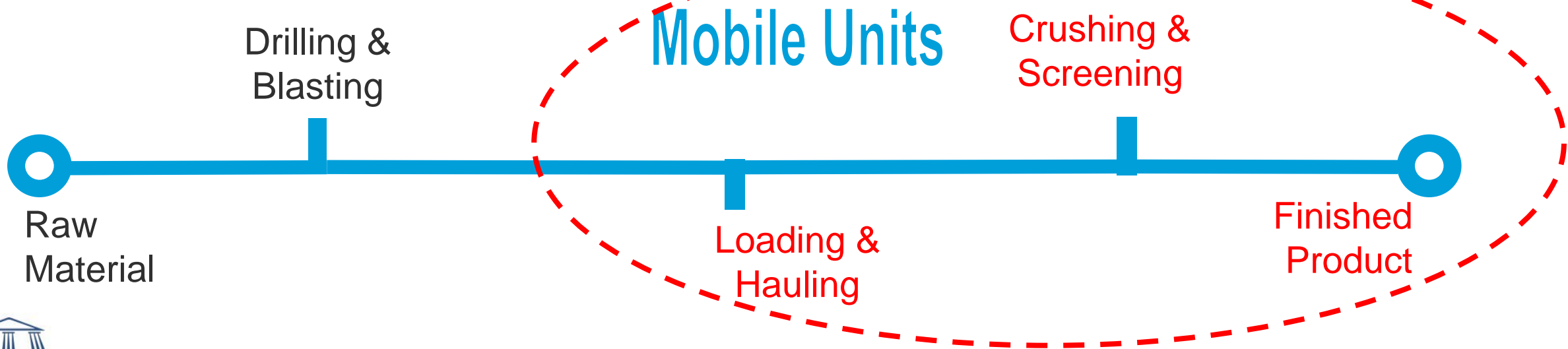
Advantages

Take These Considerations

1. **Mobile Plants** allow you to **Take full advantage in the reduction of haulage trucks** and loading cycles, as the primary crusher can be located closer to the shotpile.
2. **Mobile Plants** can easily **Mix and match into any type operation** as a back up for a machine down or added production needs.
3. **Mobile Plants** typically **No ground checks** or electric work to consider.
4. **Mobile Plants** are a **Good alternative to offline units** due to maintainence.
5. **Mobile Plants** are very portable and **Set up fast into any operation.**
6. **Mobile Plants** **Permitting process is typically easier to get done.**
7. **Mobile Plants** are **Easier to re-sell** and they hold a reasonable resale value.

Mobile Plants

How can Portables Modify Your Process for Advantage?



Seeing the familiar from a new perspective.

New Normal operations practice:

Drilling



Blasting



Loading



Hauling



Crushing



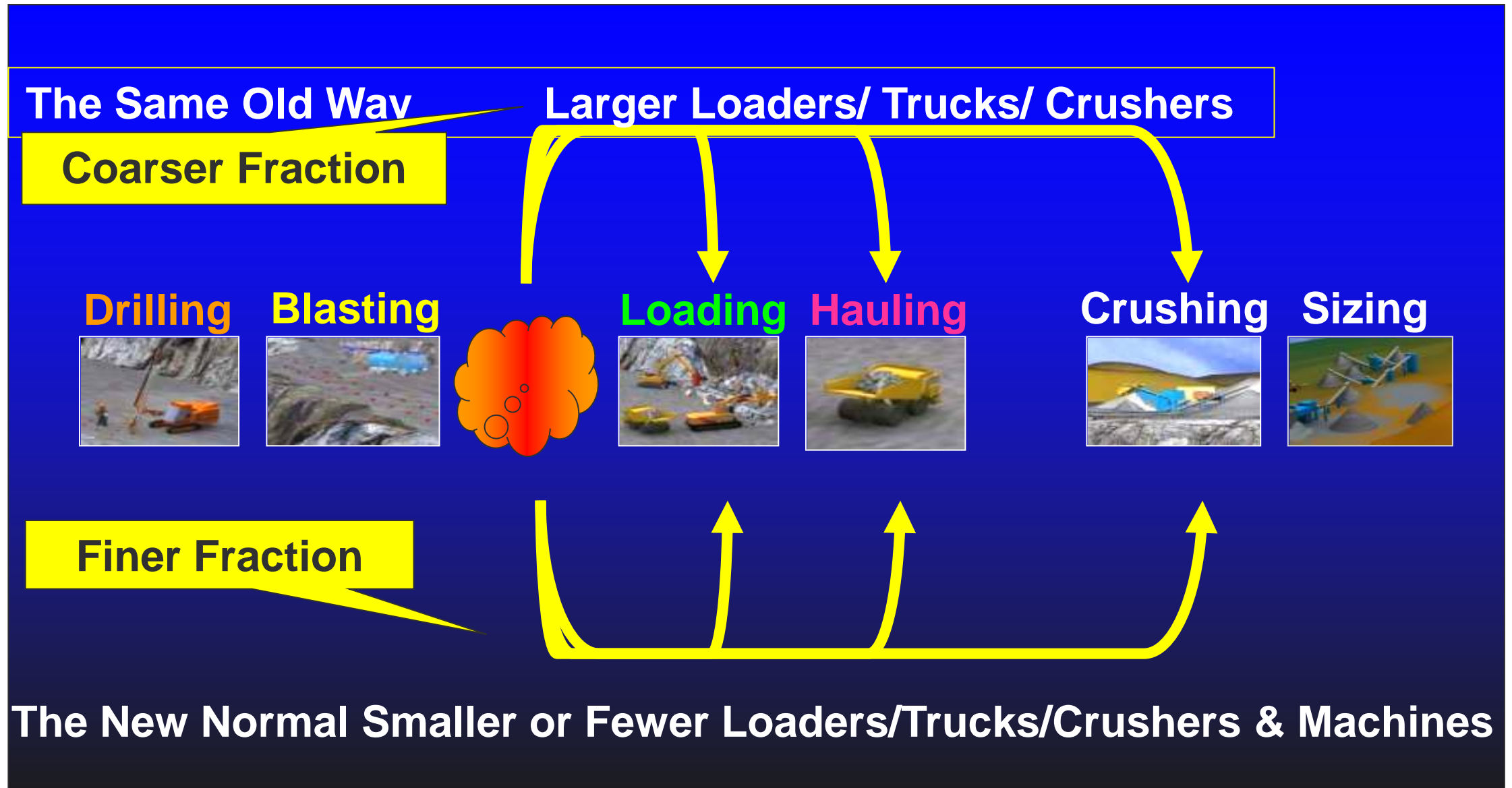
Sizing



Would Be

- Optimize Your Process Value Creation
- Apply Lean Principals to the Operations

How does a Portable Effect the Process ?



Mobile Units

How We Classify Them :

They're Units that are Easily Transportable & Very Mobile on Site

1. Can **readily be moved** from site to site on public highways
2. Typically they're **fastest**, from site to site, from set-up to production
3. Can **quickly fill into** any production unit
4. Can quickly fill **special orders**

Mobile Plants

2 Different Types

Crawler Mounted Units



Wheel Mounted



Mobile Plants

Types of Transportation

Crusher with bogie



Crusher on low bed



Rubber tire crushing & screening unit towed by fifth wheel



Mobile Plants

There Versatile



- Construction Projects
- Quarry and Mining Projects
- Demolition and Recycling
- Waste processing/land fill
- Groundwork's and Excavation
- Size Reduction



Mobile Plants

How They're Typically Used

Mobile Plants Can Be;

- They can be a Short-term solutions provider
- They can be Temporary production booster
- They can Work fast in multiple locations
- They can Do whatever a fixed plant can do

* **Note:** Related to Size & Shape of the Product, **But Not Tonnage**

Mobile Plants

Additional Advantages

1. **Lower capital cost** - No investment in heavy fixed structures. No concerns obtaining electrical supplies on proposed use sites.
2. **Typically not subject to** - Planning restrictions or local taxes, as they're not considered a permanent structure.
3. **Faster time** - From project approval to producing saleable materials.
4. **Lower Dollars** - They give a quicker return on investment.
5. **Asset management** - They have good resale value. Leasable, so they can be considered off balance sheet—Can improve financial position.
6. **Multi-site capability** - Often used by stone producer to cover more than one mineral deposit. Especially useful when there is a need to maintain a market when an old existing plant requires replacement or rebuilding.
7. **Easy to add/subtract** - They can be a production unit that can quickly change process and output to cover alterations in market demand.
8. **Can be a "Lean" Game Changer** - Eliminates or minimizes Conventional truck haulage. Plants are often operated by just the two machine operators. The excavator driver that loads and operates primary crusher. And the loader driver that operates the loader that can feed the secondary plant, or can load road trucks.

Typical Mobile Plant Customer

Hamilton Aggregates, Clinton, AR



Mobile Plants in Use

Hamilton Aggregates, Clinton, AR



Mobile Plants

Hamilton Aggregates

