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SOLUTIONS

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# Driving Operational Performance



# What is Operational Performance?

- Alignment of workers, business systems, technology, workflows, material, and machinery
- Driven by accurate, *valuable* data
- Based upon defined and measurable goals
  - Think KPI's
- Utilizing documented repeatable processes
- All within the framework of a culture of productivity and performance

# Key Performance Indicators

- Inventory Control
  - Accuracy
  - Turns
  - Costs
- Throughput
- Capacity Utilization
- OEE
- Compliance
  - Regulatory
  - Customer
- Order fulfillment
- Traceability
  - Product
  - Material
- Lot tracking/control
- Serialization
- Quality
  - Finished good
  - Supplier Incoming
- WIP Tracking
  - Exact status
  - Value
- Shipment Accuracy
- OLE

# Operational Performance Constraints

- Continuing to do things the way they have always been done
  - Resistance to change/complacency
  - Broad acceptance of status quo
- Inadequate workforce training
  - Inhibits multi-tasking
- Inefficient or single task workflows
- Workflows driven by ERP transactional requirements
  - ERP's do not allow true optimization at point of execution

# Technology Constraints

- Inflexible, inefficient or cumbersome user interfaces
- Manual distribution of worker tasks
  - Lack of task management automation
- Absence of automated status monitoring and alerts
  - Critical to prioritizing and driving worker task pools
- Minimal integration to equipment, sensors and instrumentation
  - Needed to drive OEE and OLE

# Material Constraints

- Material/finished good storage locations not optimized
  - Forward pick locations not used or not used efficiently
- Replenishment process not aligned with material needs
  - Should be automated and integral to workflow
- Inefficient material allocation by ERP
  - Disorganized access to materials/finished goods

# What makes Data Valuable?

- Inaccurate data is nearly worthless if not down right harmful
- Data is most valuable when it is provided both accurately *and* when provided as soon as it is known and available to drive point of execution tasks and decisions
- Technology and automation directly address both of these drivers of data value

# Mobile Technology Solution Performance

- Built for maximum worker productivity
  - Configurable intelligent user interfaces with efficient workflows
- Supports single workflow/multiple transaction (event) processing
  - As long as you're there approach
    - Get this, do that, count these, push this task, etc.
- Manages ERP material allocations automatically at point of executions
- Start to finish work flow elapsed time is the fundamental measurement of worker productivity



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**Questions?**  
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