

CIP

Continuous Improvement Projects

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Driving Operational Improvement

Partnering for Success

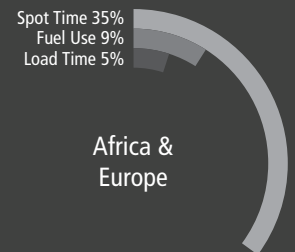
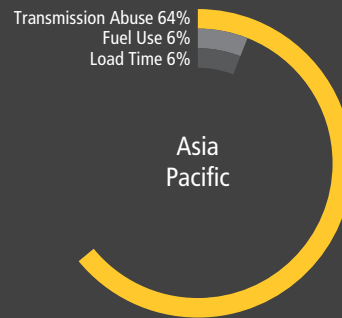
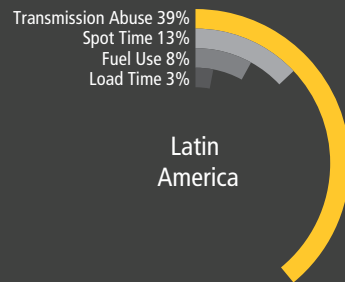
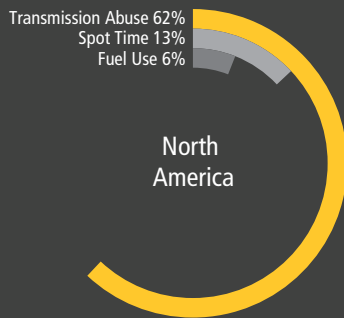
Through close communications and a collaborative effort with mine site management, Immersive Technologies helps define mine business improvement and strategic objectives through a data driven approach including the customers mine and equipment monitoring data.

A targeted training program is developed to reduce a mine site's current cost and operational risks, leaving the mine site with a template and expertise for future Continuous Improvement Projects.

CONTINUOUS IMPROVEMENT PROJECTS

Quantifiable Operator Based Operational Improvement

OVERALL IMPROVEMENT PER OPERATIONAL OBJECTIVE



BUSINESS IMPROVEMENT THROUGH CONTINUOUS IMPROVEMENT PROJECTS

ASSESSMENT of site and simulator data allows identification of project scope & objectives, operational risks & improvement targets.

SPECIFIC & STRATEGIC programs are developed to address safety, cost and production opportunities.

IMPROVES team communication to accomplish aggressive operational objectives and milestones.

REDUCES the mine's risk profile, improves efficiencies & increases operator's competencies at a much quicker rate.

DEVELOPS reporting protocols to provide visibility and share improvements being made across the entire organization.

PROVIDES accurate performance measurement & risk monitoring methodologies enabling accelerated ROI of equipment and services purchased.

CONTINUOUS IMPROVEMENT PROJECT OUTCOMES

Continuous Improvement Projects utilize mine site data to determine targeted objectives. Measurable outcomes will be presented via both in-field as well as simulation data.

- The data evaluation method presented in CIP can be used to identify additional business & operational improvement opportunities.
- Provides immediate recognition of return on investment through effective implementation of measurement & workforce development techniques.



CURRICULUM DEVELOPMENT TO INCLUDE:

- Project flowchart & timeline
- Training flowchart & timeline
- Adult learning methodology activities
- Comprehensive training plan
- Complete targeted scenario details
- Complete measurement scenario details

REPORTING DERIVED FROM PROJECT:

- Initial in-field baseline performance report
- Mid project results
- Final project report utilizing both simulation & in-field data
- Recommended period for reassessment & review

DATA SOURCES USED TO VALIDATE TRAINING:

- Machine event recorders
- Dispatch data systems
- Simulation operator data
- Maintenance records

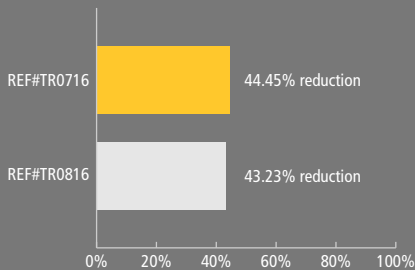


REAL WORLD

CONTINUOUS IMPROVEMENT RESULTS

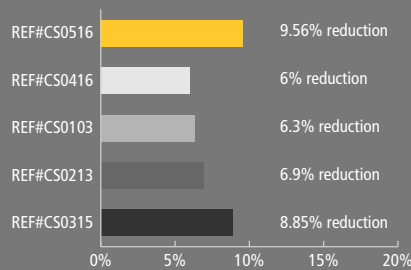
Green Operator Training

Training time reduction - baseline vs. post simulator introduction



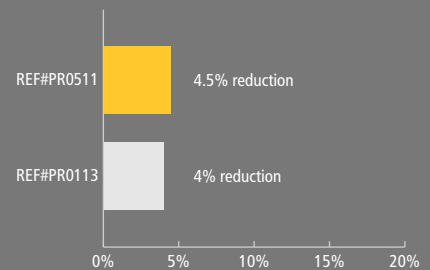
Fuel Consumption

Fuel usage reduction - baseline vs. post targeted training



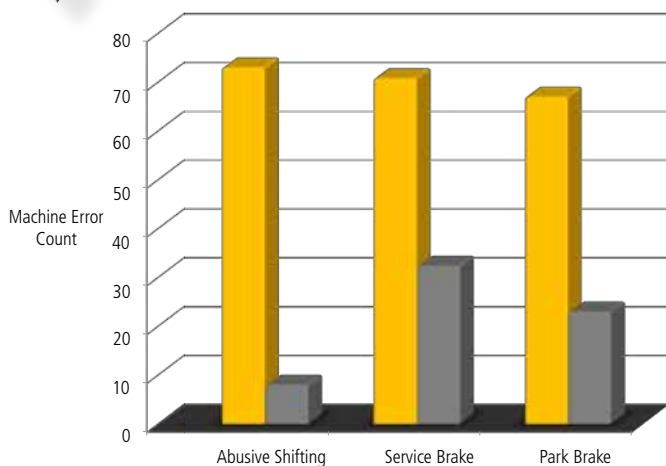
Cycle Time

Cycle time reduction - baseline vs. post targeted training



REAL IN-FIELD DATA

■ Baseline
■ Retention



CONTINUOUS IMPROVEMENT METHODOLOGY

- Focuses on strategic training objectives providing measurable outcomes determined via in-field data.
- Reduces maintenance costs, improves equipment availability, improves productivity and makes your operations safer by reducing overall operational risk.

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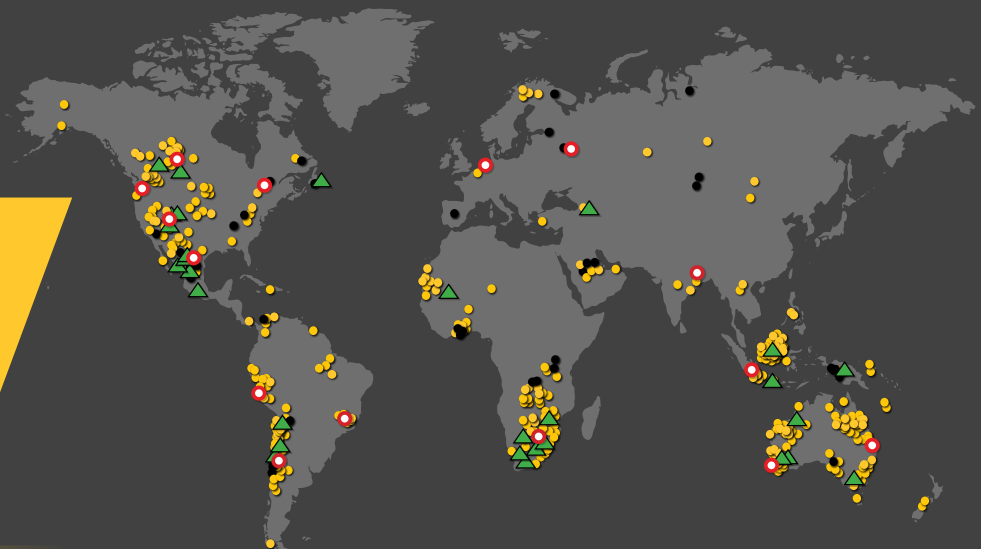
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