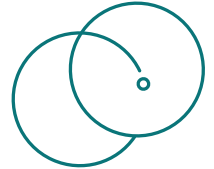




fives



PROCESS
TECHNOLOGIES

ALUMINIUM

Pioneering Mobile Learning Tools



Dedicated to both cabin and ground operations, suitable to all ECL Tending Assemblies

- Available both for ECL Pot Tending Machines and Furnace Tending Assemblies
- Operating Costs reduction
- Training cost optimization
- Improved operator safety



The most valuable solutions to train your operators

Traditional operator training on Tending Machines was carried out by a full time instructor, on the installed cranes in operation. It only provides basic control knowledge.

While operator's ability and precision is gained through practice and experience, Fives has developed dedicated learning tools, always available for training.

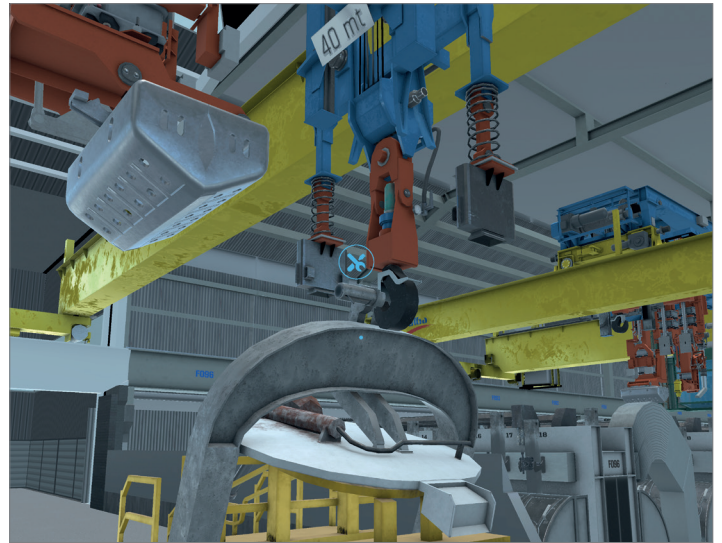
TECHNICAL CHARACTERISTICS

- a premium customized 3D Simulator that places the trainee inside a real control cabin
- a standard and cost-effective 3D compact Simulator
- a Virtual Reality Headset consisting in immersive Machine-Human Interface

They can include:

- Full training programs: from basic cranes movements to complete anode changing sequences
- Reconstitution of many scenarios: emergency situations, breakdowns, etc...
- Practice of troubleshooting procedures for maintenance technicians
- Operation and maintenance oriented **Virtual Reality Serious Game**: crane emergency evacuation drill, electrical hazards in potroom, insulation monitoring maintenance
- Performance monitoring and reporting

Issuance of a "Driving License" based on the exercise results



OPERATIONAL ADVANTAGES

- Equipment protection
 - Reduction of breakage by avoiding driving mistakes
 - Increased ECL Tending Machine availability
 - Respect of production procedure
- Optimized training
 - Reduction of training time for operators
 - Reduction of instructor's workload
 - Fast operator's learning curve
- Safety
 - Simulation of emergency situations
 - Increased operator reactivity

CUSTOMER BENEFITS

- Lower operating costs
- Reduced training costs
- Increased operation safety



24 hours | a day
available tool
for training

A long term investment to ensure a proper operation of ECL Tending Assemblies

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Industry can do it