



OUR MISSION IS TO MAKE RESOURCE COMPANIES MEASURABLY SAFER AND MORE PROFITABLE

Simulation Platforms





2

Conversion Kits® - Simulator Modules

TECHNOLOGY EXPLAINED



Conversion Kits®

Conversion Kits® are Immersive Technologies' interchangeable equipment modules that fit onto base simulator platforms allowing a range of different equipment to be simulated.

Changeover takes about 15 minutes.





Workforce Development Stages



Recruitment and Selection

New Operator Onboarding

Skilled Operator Profiling



Workforce Optimization and Maintenance



Workforce Development Priorities

Production Levels Optimisation ptimisation

Workforce Development

Risk Analysis Compliance

Zero Harm

Safety

IMMERSIVE

TECHNOLOGIES

Productivity

Unscheduled Maintenance Machine abuse tenance

MOS

eration



Commercial in Confidence

Workforce Dev. is Risk Management

WORKFORCE DEVELOPMENT EXPLAINED







Operator Variance is Massive!

Data from 50+ Global Continuous Improvement Projects





Individual Variability Example

Hydraulic Excavator (Liebherr 996) - Tier 1 Miner (Australia)







Iterative Variability Response

Underground Truck (Sandvik) – Silver Mine (Mexico)



Baseline - Round 1 Re-measure - Round 1 Re-measure - Round 2



Variance Common in North America

North American Variance Examples



IMMERSIVE TECHNOLOGIES

Why Performance Variance Exists

Self Assessment

IMMERSIVE

TECHNOLOGIES

		Reason #1 – Identification of Performance gaps	Reason #2 – Resolution of Performance gaps
	People	 Skill Deficit Wrong KPI / Accountability Too Busy 	 Lack of Continuous Improvement Culture in Training Inconsistent Training Delivery
	Process	 Underutilization of Fleet Data. Dependence on Observation Noise in Data 	 Lack of Alignment Between Real Issues and Training Programs Best Practices Not Applied Inflexible Programs
	Technology	 Lack of Industry Benchmarks Poor Operator Assessments 	 Wrong Tools for the Job – low efficiency and effectiveness Poor Learning Experience

Results Takes More Than Technology!

The Pitfalls of Incomplete Solutions











WFD Stages Require Unique Processes



Recruitment and Selection

New Operator Onboarding

Skilled Operator Profiling









Only Complete Solutions Deliver Results MAKING RESOURCE COMPANIES MEASURABLY SAFER AND MORE PROFITABLE

	Commodi	ty Objective	% Improvement	Savings	Measure
REAL RESULI	Oil Sa	nds Tire Life	+37%	\$1,037,000	Tire Vendor
MEAN IMPROVEMENTS	Oil Sa	nds Tire Life	+27%	\$365,000	Tire Vendor
704 Underground Production	G	old Tire Life	+12%	TBD	Maintenance
		oal Abusive Shifting	90%	TBD	VIMS
40% Traffic Incidents	✤ Сор	per Abusive Shifting	39%	TBD	VIMS
14% Spot Time	↓ G	old Abusive Shifting	89%	TBD	VIMS
4% Cycle Time	↓ Сор	per Spot Time	4%	\$1,198,610	Dispatch
15% Load Time	G	old Spot Time	12%	\$1,026,000	Dispatch
E0 ⁴ Ducket Fill Factors	Iron	Ore Spot Time	10%	\$408,096	Dispatch
62% Brake Abuse	↔ Oil Sa	nds Spot Time	20%	~\$3,100,000	Dispatch
70% Transmission Abuse	U Oil Sa	nds Spot Time	25%	\$5,017,437	Dispatch
55% Engine Overspeed	•	oal Park Brake Abuse	61%	TBD	VIMS
10% Tyre Life	^	oal Over-speed	90%	TBD	Modular
7% Fuel Use	Сор	per Over-speed	19%	TBD	VHMS
* All results are average in field improvements	C	oal Fuel	7%	~\$500,000	Fuel records
documented and verified by external parties.	C	oal Fuel	6.2%	\$1,302,000	Fuel rate



Thank You & Questions



We are exclusively recommended & supported by leading Original Equipment Manufacturers. CATERPILLAR - HITACHI

OEM Exclusive Alliances The Global Standard in Mining Equipment Simulators

> . Jipment Wel

product range and most extensive product development pipeline. Currently simulating over 100 mining machine typ

Largest Product

Range

Customer Real Results

We have the largest deployment of simulatior based training solutions in mining operations, contractors, dealers and training schools around the world.

Largest Mining Simulator Deployment

