# RAVEN

### Digital Continuous Improvement Starts Here





Current software tools only account for **50% of downtime losses...** 

... this is like accounting software that captures only **50% of expenses** 



A People can't label 1,000s of daily events



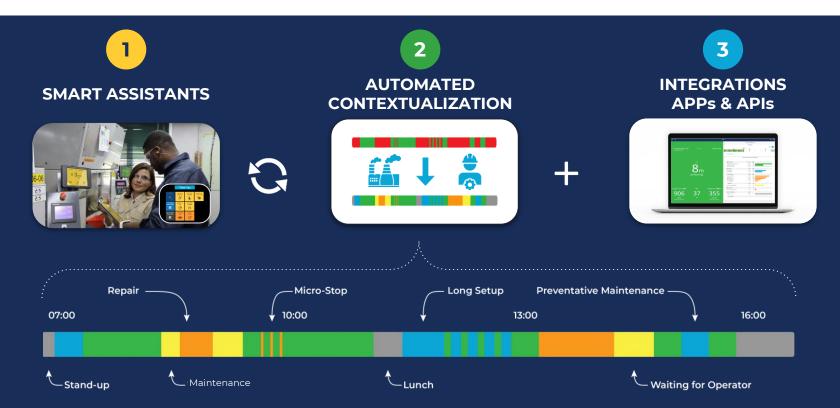
Planning data is inaccurate



77% of organization don't trust their data

### Manufacturers waste <sup>1</sup>/<sub>3</sub> of their capacity

# Raven accounts for 100% of production time and losses



### Successful digitization **requires engagement** from front-line operators





### **Automated Contextualization**

- Al-interpreters Automatically categorize up to 90% of time
- Significantly reduces Operator burden



# **Operator Smart Assistants** improve awareness and engagement and simplify operators lives



- Clean UX improves awareness and engagement
- Automated Contextualization minimizes operator burden

# Live Status & Alerts

### Progress relative to plan



#### Downtime Context



### **Process Feedback**

ABC Wilevco	SKU ID: 0043-2245 ¥		
Centreline (6)	Current Value		
Pressure (PSI) Target: 21.5	A 24.1 🧿		
Height (cm) Target: 230 Max: 240 Mirc 220	232 View		
Angle (°) Target: 180 Max: 181 Mir: 179	180 View		
Tension (N) Target: 46 Max: 49 Min: 43	۵ 🚺 🧕		
Head Rotation (RPM) Target: 200 Max: 210 Mir: 190	197 View		
Wire Spray Bar Position Target: Down Up or Down	Down View		

# **OEE Improvement Apps** uncover top opportunities for gain and offer immediate alerting and feedback



Meets the needs of Engineers, Plant Management and Improvement/Kaizen Teams

#### Root Cause/Pareto Analysis

Producing	754h 20m	40%	
Producing	754h 20m	40%	
Planned			
Planned	687h 36m	36%	
Setup	270h 20m	14%	
Changement de feuille	250h 11m	13%	
Livraison de produit	92h 42m	5%	
Changement de bobine	38h 54m	2%	
Contrôle de la qualité	28h 28m	1%	show a
Unplanned	45h 24m	2%	
Urgent	45h 24m	2%	
Waiting	151h 6m	8%	
Recherche de matériel	133h 54m	7%	
Attente générale	16h 32m	196 📒	
Support superviseur	0h 25m	0%	
Support logiciel	0h 15m		
Unknown	268h 49m	14%	
Unknown	268h 49m	14%	
Not Scheduled	2514h 14m		
I HAL PLINE HALL	2214H 14H		

### Customized Reporting



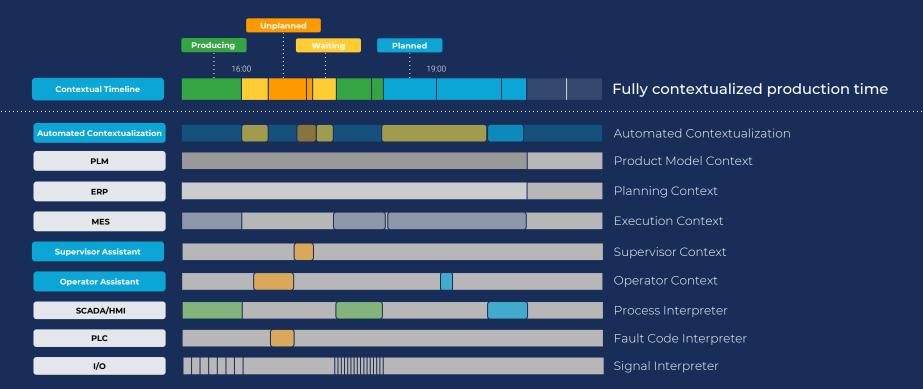
#### Live Performance Trends



Statistical Analysis



### Automated Contextualization Raven accurately accounts for 100% of time



Data from multiple sources are combined to establish a complete, accurate and meaningful timeline.

www.raven.ai

## Why **R**/VEN?



### **Cost Effective & Quick to Deploy**

Flexible pay-as-you-go pricing with no fixed term. Easily integrate with existing ERP, MES and SCADA and onboard with comprehensive training and support.



### Flexible & Scalable

Seamlessly adapts to your operational needs and maturity, either as stand-alone OEE solution or integrated with existing IT/OT/IoT infrastructure.



### **Trusted Technology Partner**

Our team of manufacturing experts combine lean manufacturing, data science, AI and cloud expertise to support you throughout your improvement journey

### Trusted and used by



www.raven.ai