

THE CHALLENGE

Systematically capture the operational state, production output, and production variables of "silent" manufacturing processes with no disruption to production or support from IT. Leverage this information rapidly to improve output (weeks) and increase production consistency.

OUR SOLUTION

Atollogy quickly and seamlessly digitizes the manufacturing operation. This solution includes:

- systematically determining the operational state of the equipment without a physical interface
- determining operator/equipment interaction and response time
- calculating the headcount hours associated to each machine
- determining the number of machine cycles
- detailing unproductive time such as setup, maintenance and repair
- counting machine cycles
- social distancing identification and alerting (recent new feature)

Atollogy's cameras, self contained network, and edge computing devices can be installed in one day **without the need for IT support, changes to existing processes, or system downtime.** By leveraging Atollogy's existing machine vision and AI capabilities customers are able to see real-time information within a week of installation.

Atollogy works with the customer to tune the system ensuring process variations are correctly identified. "Time travel" capability provides a visual record of operational activity months in the past. Trend analytics identify unproductive time and operator activity levels helping identify process changes to improve OEE and enable activity-based costing.

Turn Key SaaS Solution

- All hardware and software included
- No equipment or network integration required
- Real-time dashboards illustrating operational performance
- Trend analytics for continuous improvement
- Big Data repository for operational analysis

MANUFACTURING

OPERATIONS

Metal Fabrication
Injection Molding
Product Assembly

OBJECTIVE

- Systematically capture the operational state of the "silent" operation
- Provide actionable information to improve system OEE
- Digitize production information and create a Big Data analysis engine

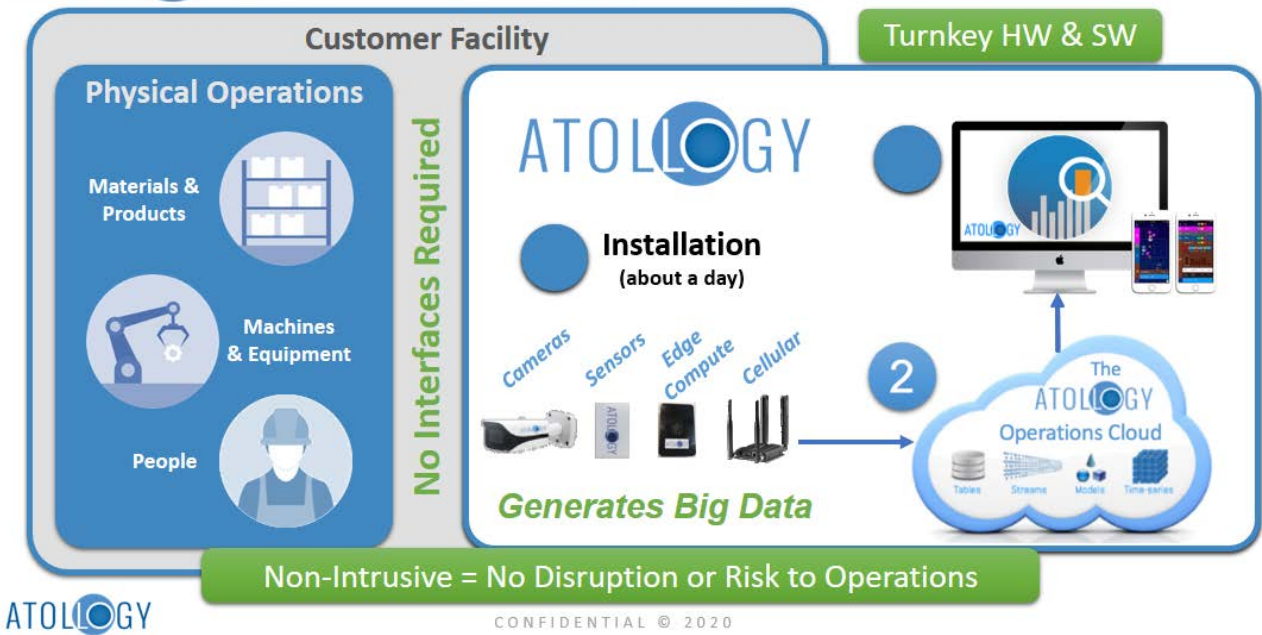
TECHNOLOGY

- Computer vision and AI
- Real-time data processing
- Cloud and edge computing

BENEFITS

- Improve equipment OEE
- Align staffing requirements to balance system output and labor cost per unit
- Adjust support staff headcount and provide training to ensure critical skills across shifts
- Eliminate labor costs related to manual tracking and increase data accuracy
- Improve output consistency by leveraging product level Big Data information
- Updated production standards and costs sheets to accurately reflect production realities

ATOLLOGY SMART OPERATIONS SOLUTION



RESULTS & IMPACT

Atollogy's Smart Operations Solution will help you digitize your silent operations and provide actionable insight within weeks of the installation. The combination of real-time operational dashboards, exception alerting, and trend analytics will rapidly impact performance. Expect OEE gains and headcount utilization insight in weeks and long-lasting performance improvement as you leverage Big Data to sharpen operational expectations.

For more information about Atollogy's Smart Operations Solution, contact us:
atollogy.com or 650-460-7325

About Atollogy

Atollogy's proprietary algorithms and capabilities are revolutionizing how physical operations are managed by integrating the physical world with artificial intelligence. Our goal is to help our customers leverage enterprise class computing and analytics without the need to endure the pain, expense, and process changes of classic enterprise systems. Atollogy is a privately held startup founded in 2016 headquartered in Santa Clara, California.

ATOLLOGY

atollogy.com