



## IT-OT Integration Service



- Do you want to collect Process or Operational data from your shop floor?
- Do you want to use data to drive business decisions?
- Do you have a variety of machinery that you would like to access data from?
- Are you looking to solve complex issues with visual analytics?
- Does your machinery adhere to Cybersecurity best practices?

### Information Technology-Operation Technology Basics

The Carpet and the Concrete...Traditionally IT Departments and OT Departments have been kept separate. OT or Operations Technology refers to Industrial Controls Systems and machinery. This trend has begun to change with the advent of Industry 4.0 and the Internet of Things (IoT). Manufacturers are looking to leverage data from their equipment to drive business decisions with cybersecurity in mind.

### The IT-OT Integration Service provides a process for connecting manufacturing equipment to acquire information and analyze it to make data driven decisions

- Adding intelligence to machines to collect data from them.
- Identifying methods to connect various pieces of equipment like CNC machines, industrial robots, PLC or PC controlled equipment.
- Utilize various storage methods including on premises and cloud-based solutions.
- Incorporate process for visualizing and analyzing data.
- Integrate Cybersecurity best practices to secure business networks and data

### Benefits of IT-OT Integration and Acquiring Analytical Data:

- Increase output and efficiency by developing a more strategic production plan
- Reduce downtime by planning for Preventative or Predictive Maintenance
- Definitively estimate consumable usage and tool wear
- More accurately troubleshoot quality and process related issues
- Resolve issues in real-time using data driven escalation plans

## WHO WE ARE

**As a private non-profit corporation, we focus fully on generating positive results for our clients.**

Our team of manufacturing experts work side-by-side with hundreds of manufacturers each year, helping them develop and implement effective solutions that address their biggest challenges.

We closely monitor trends and best practices in manufacturing, and proactively develop solutions that meet the existing and emerging needs of manufacturers.

WMEP Manufacturing Solutions is part of the MEP National Network™, a public-private partnership that advances U.S. manufacturing. MEP Centers are located in all 50 states and draw on the talents of over 1,400 trusted advisors and experts.

## WE HELP MANUFACTURING COMPANIES BECOME MORE PROFITABLE & VALUABLE

## WHAT WE PROVIDE

WMEP Manufacturing Solutions recognizes that manufacturers face various challenges and we provide proven solutions to these challenges in the following areas:

- Operational Excellence
- Growth & Strategy
- Industry Certifications
- Human Capital
- Automation & Technology
- Sustainability

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