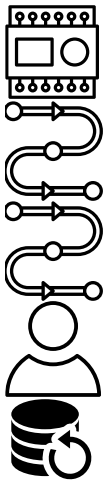## *Data Analytics (AI and ML)*

For over 20 years Sandalwood has been implementing plant floor data collection systems to better inform our customers and drive better decisions in their manufacturing facilities. As data collection capabilities have increased there is an ever-increasing need to make sense of all the data available to the users so they can make smarter and quicker decisions. By leveraging data analysis tools including Machine Learning (ML) and Artificial Intelligence (AI) applications, the users now have more capabilities available to them than ever before. These tools can provide insights, eliminate guesswork, and quickly turn raw data into actionable information thus keeping your business competitive.

One example is around unplanned downtime. Unplanned downtime is one of the biggest challenges a manufacturer can face as it is costly, frustrating, and has been historically unpredictable. By applying analytics to your machine data, you now have the opportunity to make the move from preventative to predictive maintenance, by making the unpredictable, predictable. Predictive maintenance provides cost savings as you only spend resources on maintenance when necessary and it decreases unnecessary downtime and part or tooling replacements.

How quickly does your plant floor data collection system translate to actionable KPIs?

Are you able to act on the data to improve your production processes?

Are you only using data analytics in certain processes?

Are you identifying repetitive manual processes and automating them?

Do you have in-house skills to fully optimize the data you've collected?

### Where We Can Help!

Sandalwood has over 30 years' experience working with global manufacturers helping them work smarter and work safer. Leveraging digital transformation and data analytical approaches to achieve early sustainable value, we assist our clients to effectively apply their efforts to the right people, processes, and technology. Let us and our skilled partner network help you realize your vision.