
Digital Maturity Assessment service

Uncover the value potential of digital technologies
for your plant



With the challenges of evolving consumer demands and fluctuating commodity prices, collecting manufacturing data to make more informed business decisions has become a critical competitive advantage.

Today's food and beverage manufacturers face constant pressure to reduce costs, improve quality and streamline operations. Digitalization is creating new opportunities to achieve these goals. We can help you make the most of these opportunities.

We understand food and beverage manufacturers' needs to get the right data to the right people at the right time. Introducing the right digital infrastructure will give you greater control and visibility than ever before. ABB's Digital Maturity Assessment service provides you with insight to improve your operations.

If you want to fully understand the potential benefits that the latest digital technologies can bring to your operations, talk to us.

Why do you need this service?

The food and beverage industry has historically been slower than some other industries to adopt new technologies. But today, digitalization is evolving at a rapid pace, and it delivers real business value to those who can harness its capabilities. Companies that hesitate to implement this technology risk missing out on the benefits it delivers – and falling behind their competitors.

ABB's Digital Maturity Assessment gives you a tool to:

- Benchmark your food and beverage plants in terms of their digitalization level
- Assess the value potential of digital technologies for your plants
- Prioritize potential digital implementation projects, and identify quick wins and high impact solutions
- Identify potential joint development projects

We tailor the assessment to meet your specific needs. Our collaborative process will identify which digital technologies can deliver the most benefit and ROI to your plant.

What happens during an assessment?

We understand that your business has its own unique strengths and issues, and no one understands your plants as well as your personnel. We will work with you to uncover the opportunities for digital technologies to unlock value in your operations.

The assessment process follows a structured, five-point approach:

- Initial survey and interviews
- Onsite digital maturity assessment
- Review outcomes and prioritize solutions
- Detail solutions at an ABB Customer Experience (ACE) Center
- Implement agreed-upon priority solutions

The process begins by having appropriate personnel complete a standardized online survey. The survey results give our assessors a basic understanding of your current level of digitalization, any anticipated roadblocks and your expectations of this technology. The survey also gives you a benchmark of your current state of digitalization compared to other food and beverage manufacturers.

The main component of this service is a one-day plant assessment consisting of interviews and onsite walkthroughs. Our assessors evaluate your plant along three dimensions: your end-to-end value chain, value drivers and levers, and digital building blocks. We look for opportunities to integrate digital solutions to improve your plant's availability, quality, safety, security, sustainability and productivity.

This service typically involves a qualitative assessment of your plant's digital maturity. However, you can choose to add a quantified estimate of the financial impact of different digital solutions. In this case, our assessors would need access to plant KPIs related to operating and production costs.

Our assessors usually complete the onsite work in one day. It then takes two to four weeks to prepare a prioritized list of digital solutions with the highest impact and ease of implementation.

What happens next?

In order to review the outcome of your assessment and prioritize solutions, we present detailed findings along digital building blocks and value levers for your plant. We'll identify 10-15 potential solutions and evaluate them based on their impact, ease of implementation and relevancy. We then work with you to identify two to six priority solutions to target for implementation.

The priority solutions may already be available, or they may need to be developed. Either way, our team will discuss with you what your detailed requirements are. For existing solutions, our experts will give you information about them and work out an implementation schedule with you. If the solution needs to be developed, we will work with you to define a minimum viable product and determine what building blocks are needed.

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If you're ready to make the most of the opportunities digitalization offers to your food and beverage plant, talk to us about your own Digital Maturity Assessment.