

The Performance Assessment Workshop is designed to mutually engage with you to give you the best plant performance. Our experts will professionally assess the plant based on your targets to identify improvement potentail and provide solutions. The in-depth analysis ensures involvement of technical, technological, and operational factors to highlight potential improvement drivers and untapped resources. Post the expert analysis, a detailed and customized report accompanied by an action plan is handed over to you for production optimization.

### How does the PAW help you improve your targets?

Key Performance Indicators (KPIs) are values that demonstrate how effectively your company is achieving your business objectives. These measurements change according to different organizational needs which is why our solutions are customized for you and your business.



## Uptime

Machine availability and reliability

Workplace safety Safety for personnel and machine

Material efficiency Minimum waste and rework



Energy efficiency Energy consumption and CO<sub>2</sub> footprint Our experts offer you tailored solution to optimize your production process that are based on your targets and priorities. We cover all your priorities ranging from machine uptime and lifetime, workplace safety, capacity to material efficiency, product quality and energy efficiency.

### **Benefits**

- Combined expert view, tailored recommendation
- Fact-oriented analysis, data-driven solution
- Knowledge transfer, long-term relationship
- Targeted investment, easier decision-making



# Machine lifetime Lifetime, wear and tear behavior





Capacity Number of products per minute

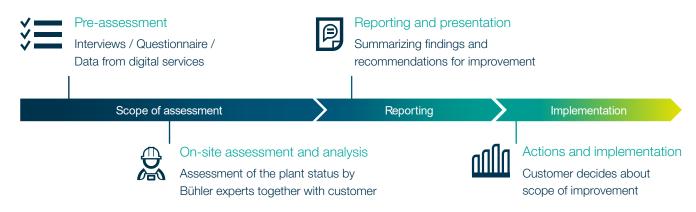
# Product quality

Consistent delivery as per required parameters





### From holistic assessment to direct action



### 4M approach to Identify the driver

After the holistic assessments, we will go through 4M analysis process to identify the root causes of issues or key drivers for the improvements. The 4M approach takes into account of all important aspects involved in a production: Method, Machine, Man and Material, and try to identify and group the key drivers accordingly.

This unique problem-solving approach allows us to dig deeper into the content of the problem, creates a snapshot of the collective solution, and helps to improve the KPIs in a effective and long-lasting way.



### Different set of KPIs to improve

		Scope	Inspection Detailed asset check to ensure a smooth production	PAW Holistic assessment with action plan to unlock your full potential
KPIs	Ø	Uptime	•	•
	C	Machine Lifetime	•	•
	ð	Workplace Safety		•
	Í	Capacity		•
	Ø	Material Efficiency		•
		Product Quality		•
	Ş	Energy Efficiency		•
Interdisciplinary Team	晟	Service Engineer	•	•
	2	Technologist		•
	2	PAW Advisor		•

#### Bühler AG

