

Activate your full potential.

6 easy steps: implementation & dashboarding

- 1**  **Your new centrifugal with smart.monitoring¹⁾.**
You have the choice: the basic or pro version of smart.monitoring.
- 2**  **Get ready for use: your personal smart.monitoring account.**
You will be invited to register your company account, which lets you create up to five separate users.
- 3**  **Implementation complete: router on board.**
Once we have commissioned your centrifugal and router on site, the centrifugal is integrated with the smart4sugar platform.
- 4**  **smart.monitoring goes live: you are connected.**
We will commission the centrifugal – and router – on site. Your centrifugal is now integrated with the global smart4sugar platform.
- 5**  **Accessible dashboarding: anytime, anywhere²⁾.**
You can access your centrifugal dashboards at any time and from anywhere in the world using the personal device of your choice³⁾.
- 6**  **Activate your full potential & enjoy the benefits.**
Use data and trends to optimize your production. Stay ahead of the competition!

1) BMA reserves the right to modify, enhance or remove smart4ugar / smart.monitoring content.
2) Requires a stable and unrestricted internet connection.
3) Device not included as standard.

Use smart.monitoring for your continuous improvement process

- + More efficient centrifugals**
Optimised throughput based on trend analyses running over extended periods of time.
- + Improve your competitiveness**
Better and consistent sugar quality based on KPI monitoring.
- + Operating data – available anytime, anywhere**
Access operating data from anywhere in the world.



www.bma-worldwide.com/demo

Any more questions about smart.monitoring?

smart.monitoring@bma-worldwide.com



© BMA
Postfach 32 25
38022 Braunschweig
Germany
Phone +49 531 804-0
www.bma-worldwide.com/smart4sugar

Operating data – available anytime, anywhere



Subject to technical modifications 07/2020 02

A powerful analytics tool for E-series centrifugals from BMA

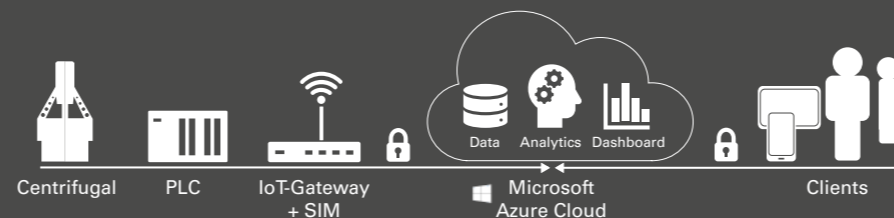


E-series centrifugals from BMA now come with a router as part of the standard centrifugal control system. Via a fieldbus interface, the router collects operating data from the centrifugal control and assigns them a timestamp.

The data are encrypted, and made available and sent to the Microsoft Azure IT architecture via a wireless connection or the customer's Ethernet. To prevent data loss during a temporary network interruption, the router offers a buffer memory.



Secure with great potential! Cornerstones of the smart4sugar platform



Your benefits

- Visualisation of operating data – available anytime, anywhere¹⁾.
- 24/7/365 access to a preselected range of relevant operating data.
- Consistent sugar quality based on KPI (Key Performance Indicator) monitoring.
- Web-based dashboard that runs on any standard device²⁾.
- Developed by the sugar experts from BMA.
- Free demo version³⁾.

1) Requires a stable and unrestricted internet connection.

2) Device not included as standard.

3) BMA reserves the right to modify, enhance or remove smart4sugar / smart.monitoring content.

Security first

- Data security takes high priority at BMA.
- Use of cloud-based services with state-of-the-art encryption technology.
- BMA firmly believes in the security of the Microsoft Azure cloud.
- Machine data are encrypted when sent to the Microsoft Azure cloud.
- Data are processed in the cloud and made available via dashboards.
- BMA relies on a tried-and-tested secure registration process.
- The process control system is located in a separate part of the network.
- New users must be authorised by the owner.

smart4sugar

Developed by the sugar experts from BMA

The digital transformation is in full swing. It has a huge potential for sugar production. At BMA, we have provided comprehensive solutions to customers, partners and operators of sugar factories and refineries for many years. Following mechanisation, the harnessing of electricity, and digitalisation, we are now taking our customers into the age of the IoT (Internet of Things).

BMA has bundled these initiatives and activities at product level and in after-sales under its label smart4sugar. This ensures that our machinery and plants are ready for use in Industry 4.0 scenarios in sugar factories.

We have prepared our components for the future. Relying on our many years of experience and expertise, BMA also makes

sure that only reliable technology components are used. This is done particularly in view of the dynamic changes in work and production environments.

The smart4sugar platform provides an innovative work environment for the visualisation of centrifugal data, permitting monitoring and analysis via a user-friendly dashboard. It is a web-based dashboard, which can be accessed from any standard device such as a mobile phone, tablet or computer. If you would like to find out more about smart4sugar, please contact our field sales team.

smart.monitoring@bma-worldwide.com