Agenda

1. Retrofit of Controls
2. What the Buhler MEAG Universal Controller is?
3. myBühler
Retrofits of Controls
Why it is advisable to replace old systems with new, more efficient systems

Every component has a defined lifecycle

- PCs: ~5 years
- PLC’s I/O: ~10 years
- Machine controls: ~15 years
- Motor starters / VFDs: ~20-30 years
Retrofits of Controls
Benefit levels through Transformation

Benefits

Increased production capacity

Reliability, risk avoidance, improved amortization

Efficiency, quality, cost-reduction

Replacements

Improved

Innovations

Degree of transformation

- Modernize PCs
- Minor modifications
- Replacement components
- Basic remote-support functionalities

- Machine controls
- Control panels
- Advanced functionalities
- Sensors/ actuators
- End-to-end process control

- Production layout
- Integration of equipment
- Self-regulating controls
- Innovative algorithms
- Innovative technologies
**Buhler MEAG Universal Controller**

- Universal Controller for more than 30 different applications; Including Non-Buhler Scales and previous Buhler Scale Controllers.

- All MEAF applications can be replaced (the only exception are MYFC/MOZF Moisture controller).

- Program loaded in flash memory (no longer any EPROM), therefore program update possible at anytime via the "dVice2L" software.

- Profibus DP, RS485, and USB connection included in the basic version.

- Built-in logger for recording data as an aid in parameter optimizing or troubleshooting.

- Various input levels can be chosen for selective data security.
MEAG Retrofits
Buhler and Non-Buhler Scale Retrofit Solutions

Major benefits:
- Remote support desired
- Standardization of machine controls
- Availability
- Universal Controller for several applications
- One spare part for several machine controls
- User supported with short messages
- Pre-configured settings and recorded data
- Optimized for Plant Control Systems integration
myBühler customer portal.
Our vision

- **eMonitering**: Connecting with IoT Applications
- **eMaintenance**: Plan & organize maintenance jobs
- **eTraining**: WebBased Trainings
- **eService**: Request Service technicians
- **eCommerce**: Spare- & Wear parts
- **Product Information**: Product information & documentation

- **Online Chat**:
- **IoT Applications**
- **Predictive Maintenance**
Overview myBühler Modules. What to expect…

**myMachines**
Get an overview about your Bühler machines, additional information as well as related documents.

**myOrders**
Get an overview about your quotations/orders and the status including tracking information.

**myTemplates**
Save time with shopping templates for frequently used parts.

**myParts**
Find the correct spare and wear parts and check the part details as well as photos or the 360° view.

**myCalendar**
Get an overview about your maintenance plans and expected deliveries.

**myAccount**
Manage your details or administrate roles of users within your company.
myMachines. Overview about your plant/line.

- **Overview** about your Bühler equipment.
- **Information** about your machines
  - Machine details
  - Documents
  - Parts
- **Search & Filter** possibilities
- **Manage your machines** with possibilities to enter your personal machine information like notes, identification name, process, line, building, floor.
myMachines. Details about your machines.

- **Machine Details**
  Find useful information like Machine No, Cipher, Type, Year of Construction,…

- **MyInformation**
  Maintain your own notes and structure your machines in lines, buildings or processes.

- **Documents**
  Find useful documents like user manuals, spare parts catalogs.

- **myParts Favorites**
  Tag the most frequent parts as your favorites to get easy access.

- **Maintenance Plan**
  Create your maintenance plan for your machines in myBühler.

- **Get Parts**
  Get a part list for your machine or browse through the as-built structure
myParts.
Overview about parts.

• **Find the right parts** for your machine or browse through the Bühler spare & wear part assortment to find what you’re looking for.

• **Identify a part** using the pictures or the 360° view of the parts (more than 19’000 parts available).

• **Check the details** of a part including price, availability, dimensions and weight.

• **Find out** in which of your machines the part is used.

• Can’t find what you are looking for? Use the online «Find-a-part Service» and our specialists will help you out!
myOrders. Overview about quotes & orders.

• Get an overview about your quotations and orders.
• Check the status of your orders including order tracking.
• Order your quotations directly online.
• Download documents like quotation, order confirmation, delivery and invoices.
• Quick & easy reorder
myTemplates.
Your personal shopping list.

- **Shopping templates** enable you to create online templates which can be re-used.

- Use the shopping templates for parts that you order frequently or periodically.

- With the **shopping list** feature you can collect parts from multiple users and order them coordinated in one order.
myCalendar.

- Use the calendar to get an overview about the maintenance jobs that you have entered for your machines.
- Check when your deliveries will arrive.
myAccount.

- Overview about your **personal details, language settings**.

- **Administrate** all myBühler users within your company.

- myBühler offers **three different roles**
  - Administrate users
    Setup and change other users within your organization.
  - Request quotations
    User can request quotes but no authorization to place orders directly.
  - Place orders
    User can directly place orders within myBühler.

- In addition, you can set **order limits** on every user.
myBühler speeds up your purchasing process.

myBühler

- Login
- Search and identify spare parts.
- Add parts to shopping cart
- Checkout: Request Quotation

Purchase system

- Create purchase order with reference to Quotation.
- Get purchase order number

Option 1

- Add your PO number.
- Create order out of quotation

Option 2

- Send out order by e-mail.

myBühler
Remember…

"Never change a running system!!!

But don't forget to change it as long as it runs!"
Engineer customer success

Innovations for a better world