

LEADING IN  
PRODUCTION  
EFFICIENCY



# ready2integrate

October 23 – 24, 2019



October 24, 2019  
Bietigheim-Bissingen

**Holger Beiersdorfer, Dürr Systems AG**

# Program

## OCTOBER 23

**17:30** Get together & dinner

## OCTOBER 24

**08:00** Registration

**09:00** Welcome speech

Dr. L. Friedrich, Dürr Systems AG

**09:15** Dürr industrial products – Strategy, values, integration concepts

H. Beiersdorfer, Dürr Systems AG

**09:45** Coffee break

**10:00 - 16:00** Live demonstration

Painting of the future: Overspray free application **NEW**

**ready2spray – Technologies for automated painting**

- How to integrate the paint robot into the customer system
- Special color paint supply system – benefits for line builders

**ready2integrate – Easy integration of products into existing painting lines**

- Integrated products into painting systems
- Showcase of automated bell painting system

**13:00 - 14:00**

**LUNCH BREAK**

**16:00** IIoT – Intelligent painting processes

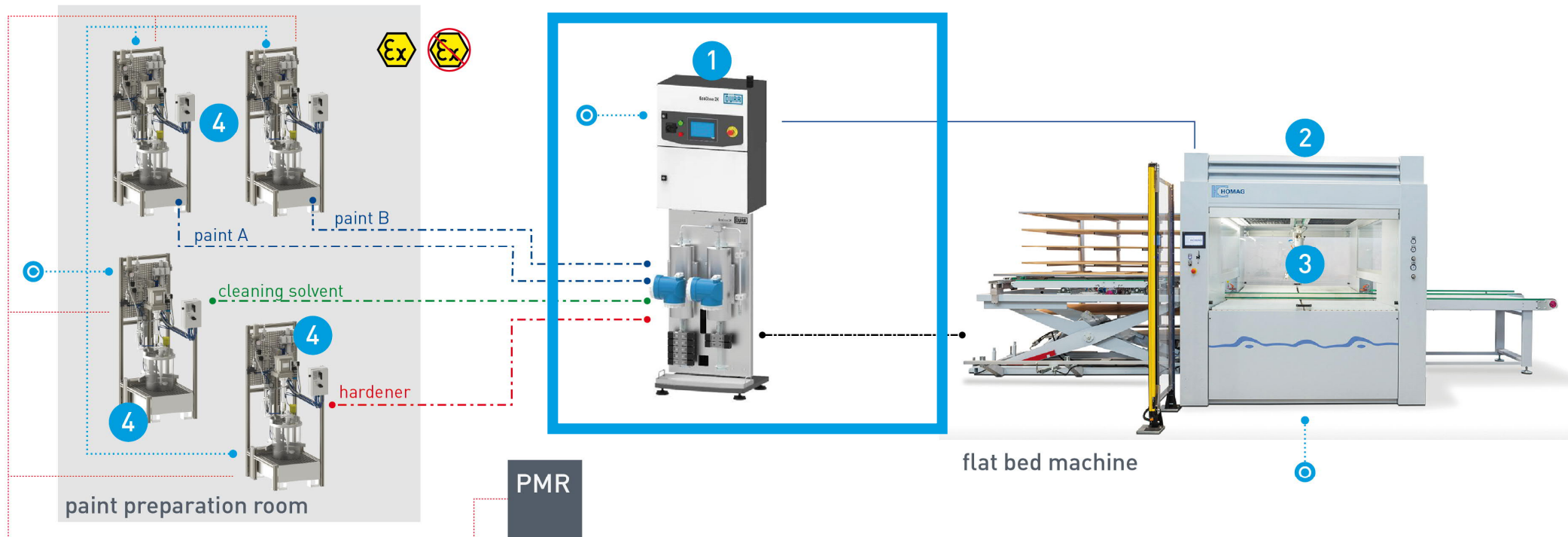
A. Carls, Dürr Systems AG

**16:30** Wrap-up

# Station #1



## High pressure 2K dosing & flat bed machine integration scheme



### APPLICATION COMPONENTS

- 1 EcoDose 2K
- 2 Flat bed machine
- 3 Automatic spray guns
- 4 Small paint supply

### ELECTRIC LINES

- Ethernet
- ..... Sensor signal

### MEDIA

- Fluid
- ..... Compressed air
- Compressed air source

# Station #2



## EcoBell/AUC integration scheme

### APPLICATION COMPONENTS

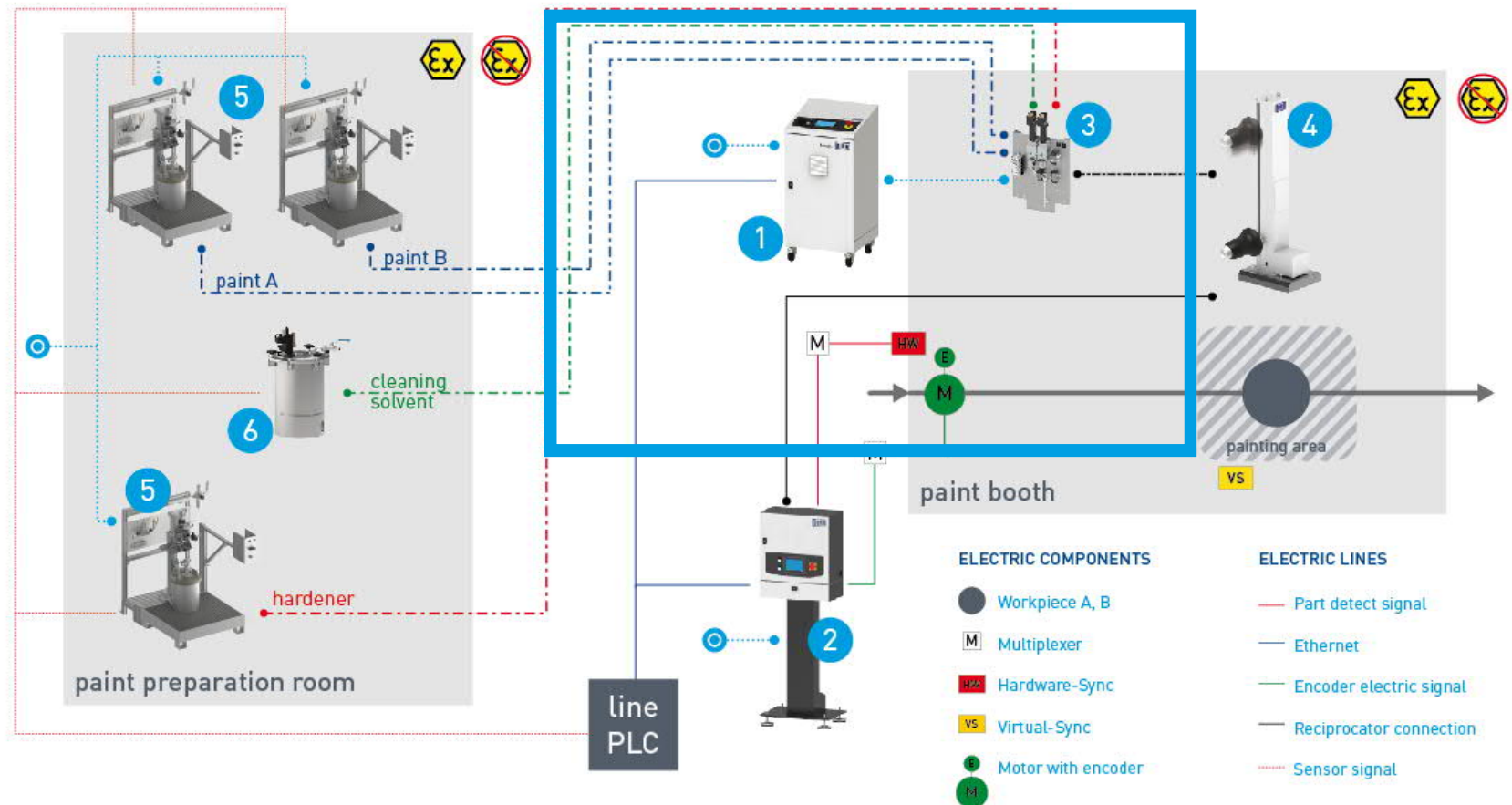
- 1 EcoAUC
- 2 EcoRecip - controller
- 3 Fluid board
- 4 EcoRecip
- 5 Small paint supply
- 6 EcoPump VP package

### SCHEME SETUP

- Process: 2K
- No. of colors: 2
- No. of solvents: 1
- No. of hardeners: 1
- Application: Air Assist

### MEDIA

- Fluid
- ..... Compressed air
- ⊙ Compressed air source



# Station #3



ADLER

## Overspray free coating technology with EcoPaint Jet and Adler coatings

Status quo



- Overspray
- Masking in case of more colors
- High cleaning effort
- Complex color change
- No batch size 1 possible

Future technology



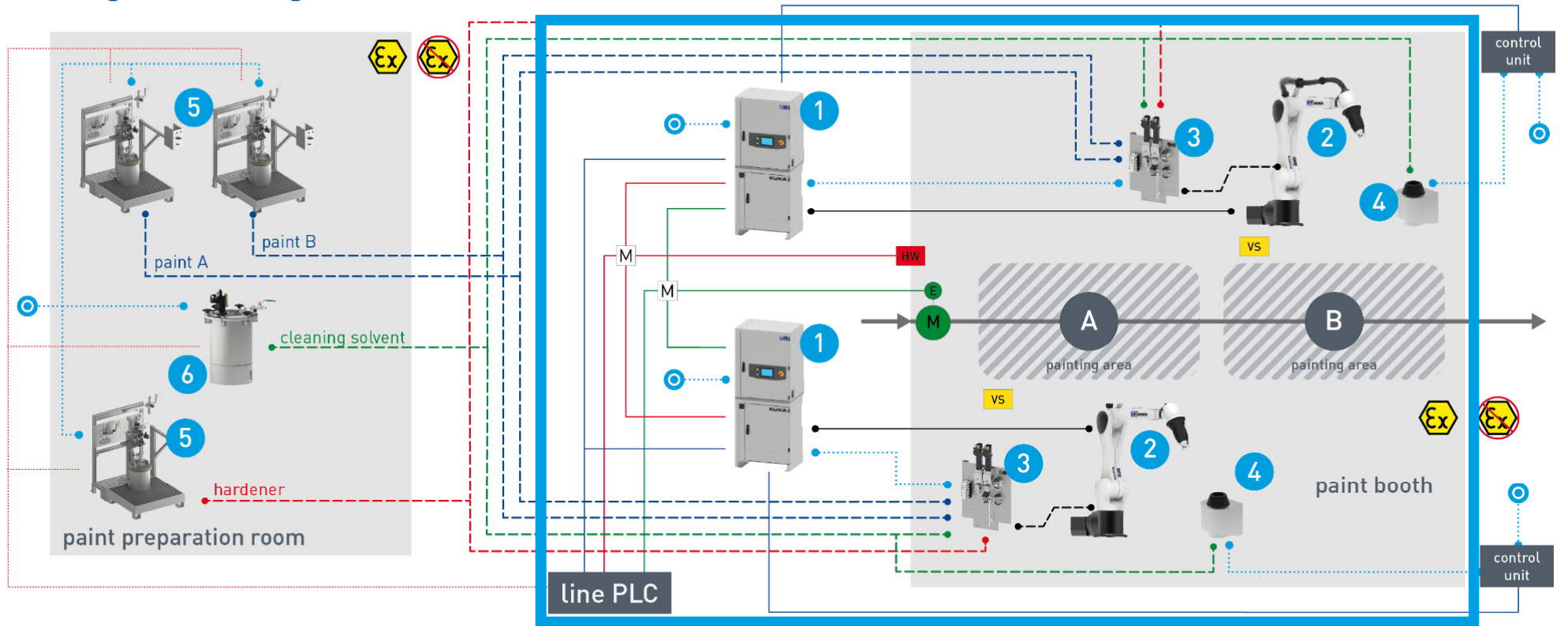
- Overspray free
- Masking free
- Low cleaning effort
- Fast color change
- Batch size 1 possible



# Station #4



## Painting robot integration scheme



### APPLICATION COMPONENTS

- 1 Robot Controller
- 2 Painting robot
- 3 Fluid board
- 4 EcoBell cleaner
- 5 Small paint supply
- 6 Pressure pot

### ELECTRIC COMPONENTS

- M Multiplexer
- VS Virtual-Sync
- HW Hardware-Sync
- M Motor with encoder

### ELECTRIC LINES

- Part detect signal
- Ethernet & Safety
- Encoder electric signal
- Robot connection
- Sensor signal

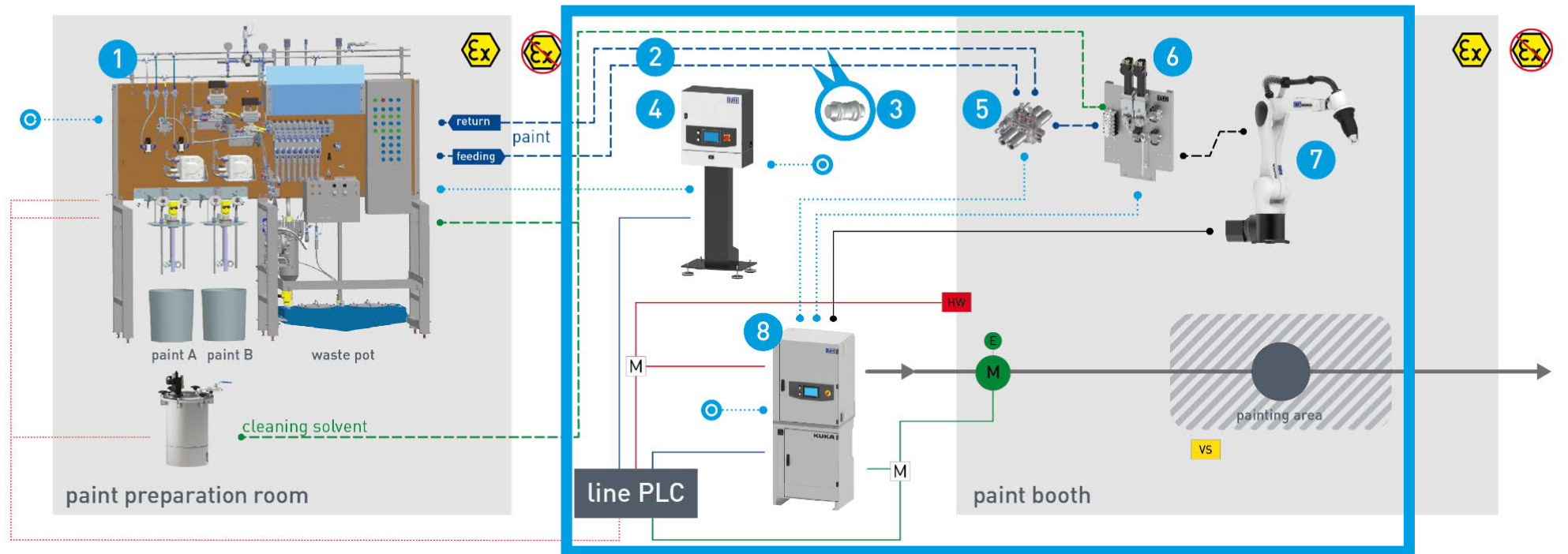
### MEDIA

- Fluid
- Compressed air
- Compressed air source

# Station #5



## Basic Single Pass Pig System - integration scheme



### APPLICATION COMPONENTS

- |                       |                     |                    |
|-----------------------|---------------------|--------------------|
| 1 Paint Supply System | 4 Supply controller | 7 Painting robot   |
| 2 Pig hose            | 5 Distributor       | 8 Rotot controller |
| 3 Pig                 | 6 Fluid plate       |                    |

### ELECTRIC COMPONENTS

- |                    |               |
|--------------------|---------------|
| HW Hardware-Sync   | M Multiplexer |
| VS Virtual-Sync    |               |
| Motor with encoder |               |

### ELECTRIC LINES

- |                         |                  |
|-------------------------|------------------|
| Part detect signal      | Robot connection |
| Ethernet & Safety       | Sensor signal    |
| Encoder electric signal |                  |

### MEDIA

- |                       |                |
|-----------------------|----------------|
| Fluid                 | Compressed air |
| Compressed air source |                |

# Our requests to you



- Observe safety precautions and barriers as well as forklift traffic!
- Please pay attention to the paths. Exceptionally, we will be touring the halls without safety shoes today.
- Please do not take any photos or videos in the Technical Center!
- Always stay with your group!
- Please smoke only in the designated places!
- We take films and photos during the entire event and use them in print and online media. If you want to reject this, please inform the photographer or your group leader.
- Please return the headsets to us at the end of the event!
- We are looking forward to your feedback!  
Use [www.sli.do](http://www.sli.do)



# How to find your group



- Group 1: Mr. Blake Shotwell
- Group 2: Mr. Javier Fernandez
- Group 3: Mr. Sascha Zolldann
- Group 4: Mr. Fabian Schilt
- Group 5: Mr. Marcel Jörke

**You will find your group number on your name badge**

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[www.durr.com](http://www.durr.com)

**Holger Beiersdorfer**

**Thank You!**

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