



titel

INTERNATIONAL
PRINECT USER DAYS

WS 4 and WS 5:
Plate Pilot.
Managed plate output for print.



■ ■ ■ W. Stoltenberg, S. Bauch ■
Plate Pilot. Managed plate output for print.

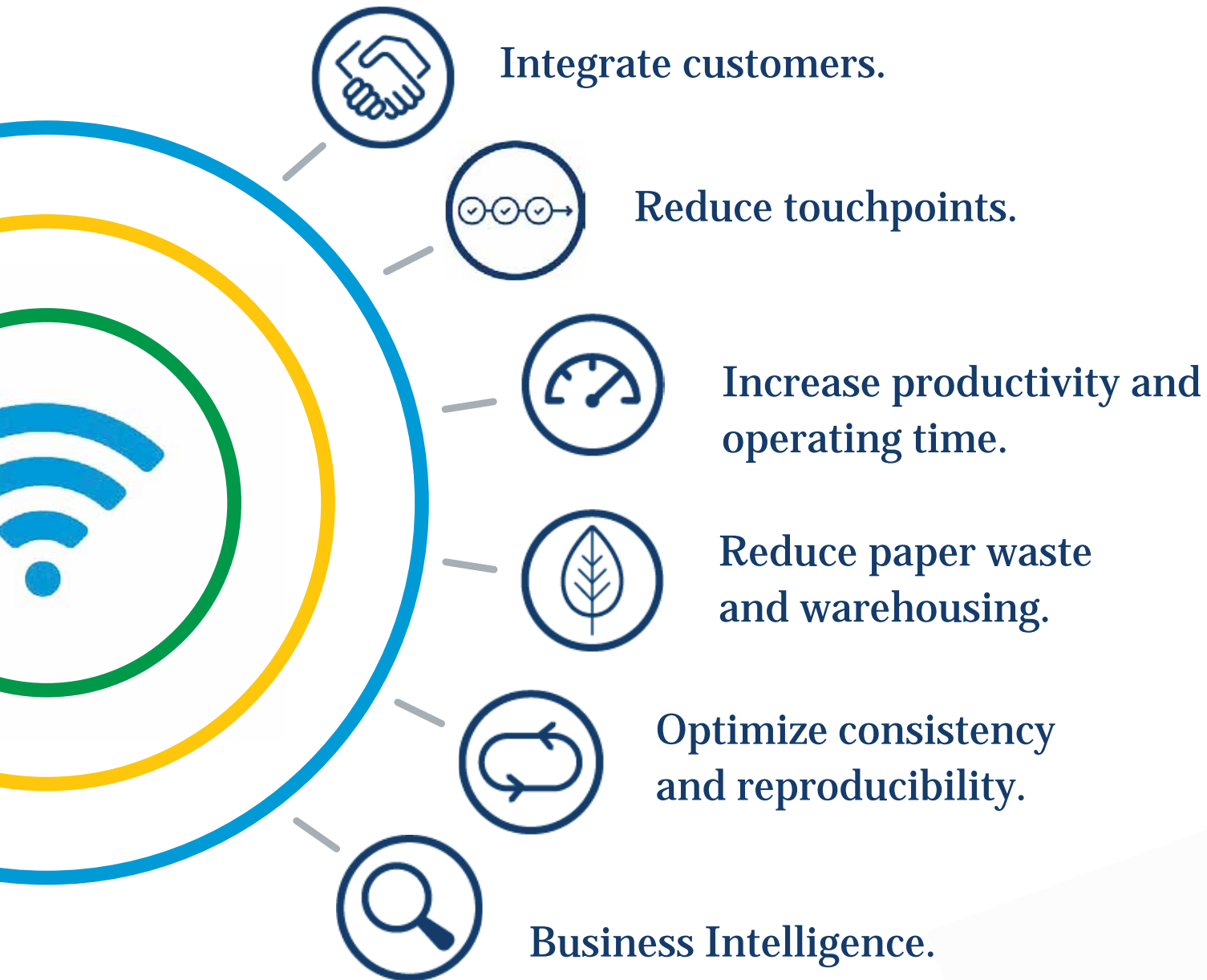
Push-to-stop plate production.

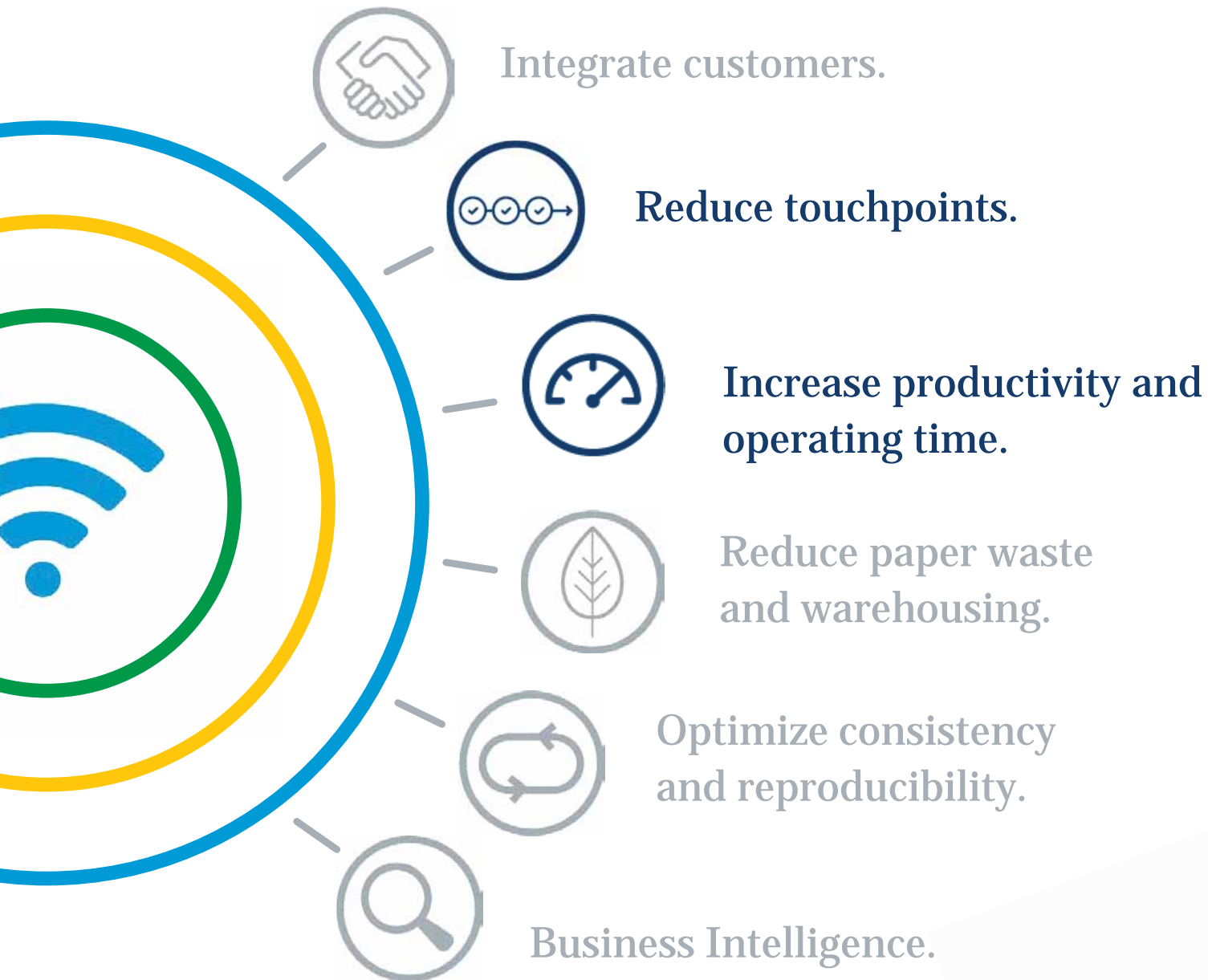
You want

- plates at the printing units in time without manual plate (re-)sorting?
- easy supervision of the CtP status?
 - know if the plates are okay?
 - react to disturbances?

WORKSHOP

04







Reducing Touchpoints with Prinect Prepress.



Plate Automation

- Plate loading and output
- Feedback of all production times and amounts
- Additional benefits of Suprasetter with NELA
 - automatic bending
 - automatic sorting
 - automatic quality control



Your feedback was:

That is not enough!





Driving Productivity and Uptime with Prinect.





Are you familiar with this situation?

Prepress vs. Press.



Press scheduling



Plate scheduling





**This leads to a daily
challenge.**







**Prepress
data flow**



**Press
schedule**



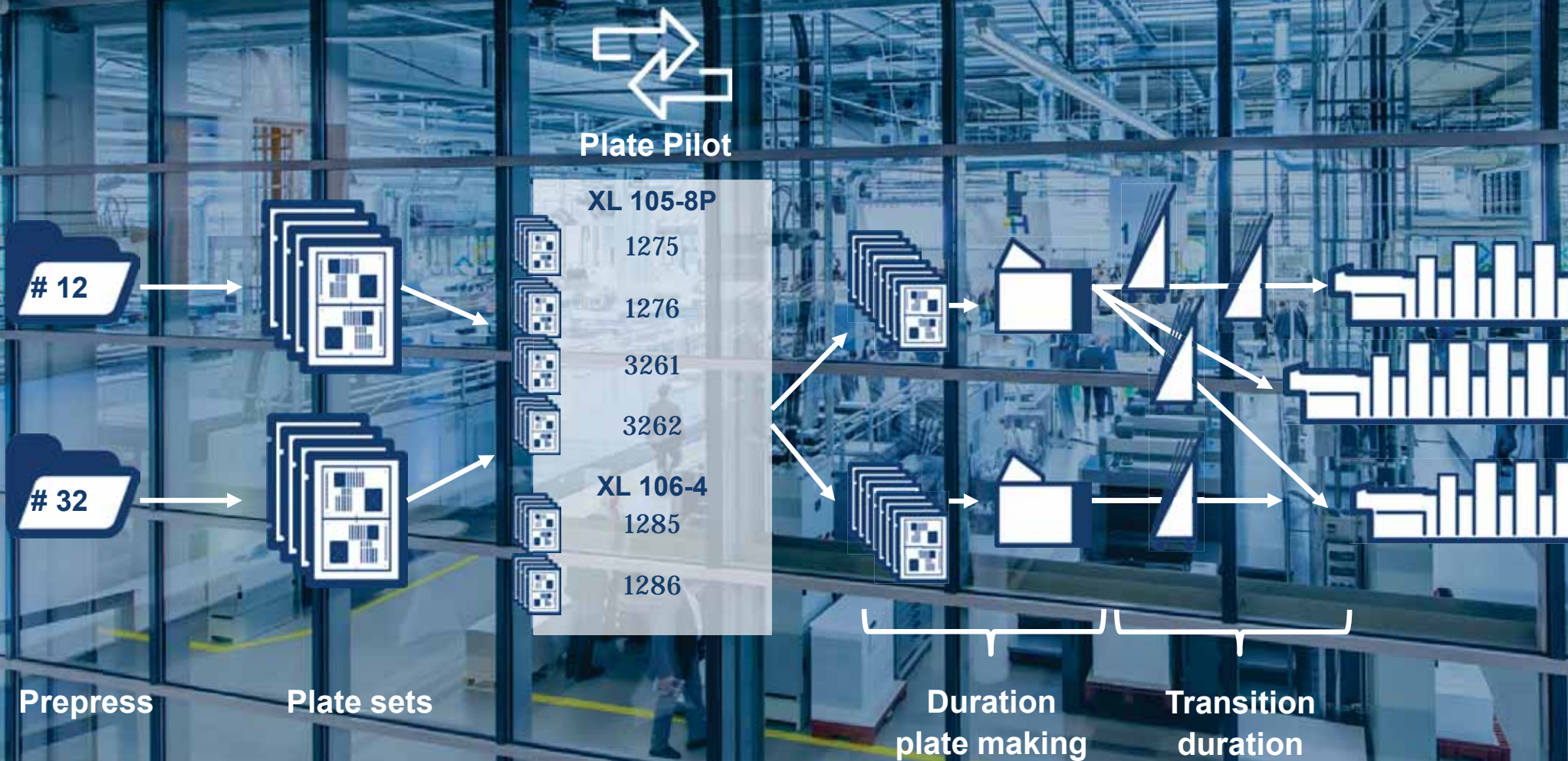
Plate Pilot

Plate Pilot – Push to Stop for plate making.



HEIDELBERG			
Job Number:		20171017	
Job Name:		20171017-Touchpoints	
Customer:		Customer Commercial 1	
Sheet:		FB 001	
Sheet Color:	Sheet Color:	Sheet Color:	Sheet Color:
Black	Black	Black	Black
Cyan	Cyan	Cyan	Cyan
Magenta	Magenta	Magenta	Magenta
Yellow	Yellow	Yellow	Yellow
Total operation:			
FB 001 4/4			
Printed Machine:			
XL100-8-P-SM1			
10.10.2017 14:02			

Plate Pilot: Principle





Sebastian Bauch

Live
Demonstration.



Plate Pilot: Principle

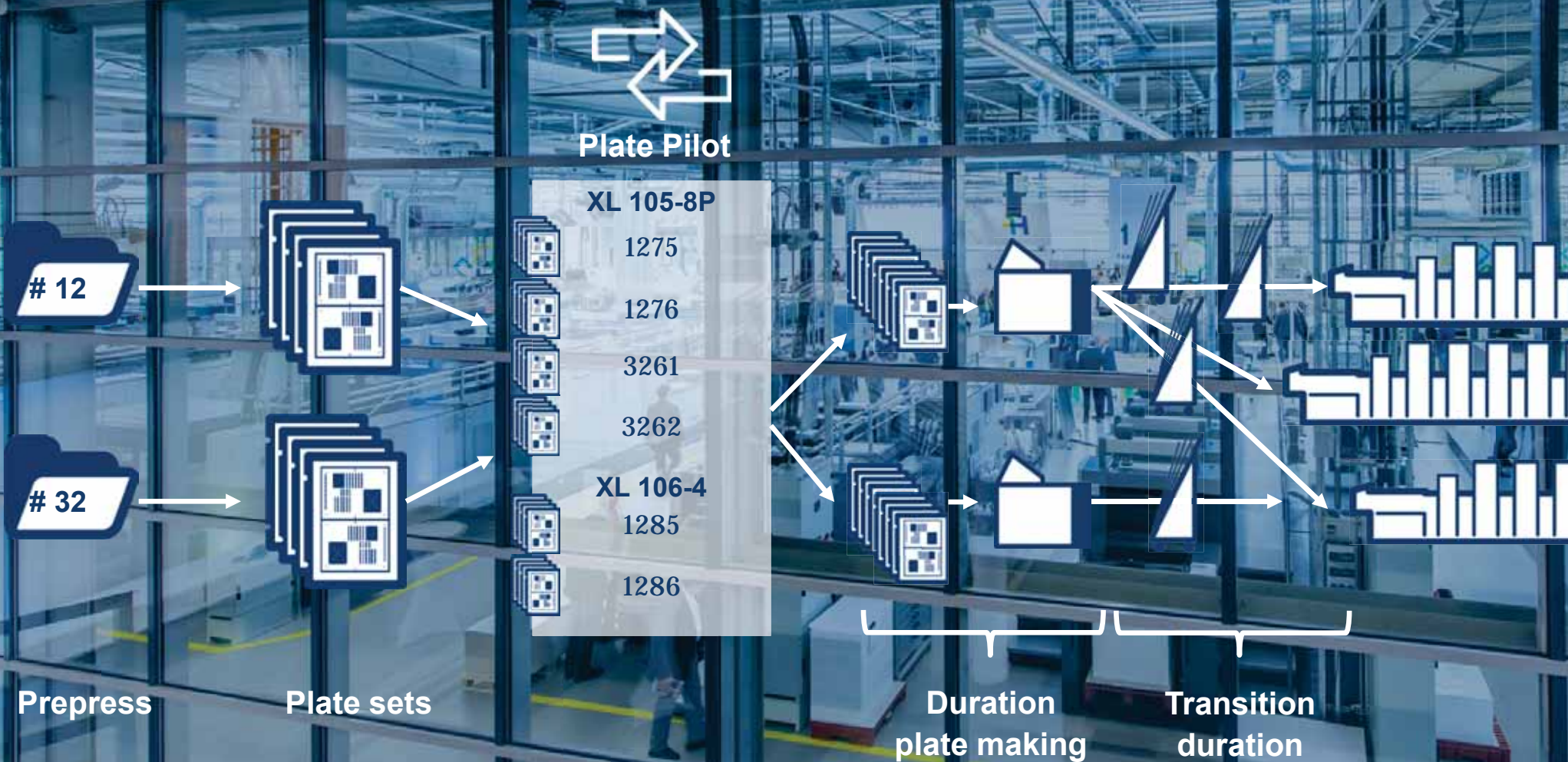




Plate Pilot – control via Portal Widget

Presses

TIFFs sorted by schedule

Plate Stacks

CtP devices

Prinect Portal

eng-platepilot

HEIDELBERG

Plate Pilot

_UD-PrintDevice-C

Press

Machine Information

_UD-PrintDevice-A (100002)
Plate Stacks: (1) Provide plates
Print end: May 28, 2018, 5:32:09 PM

_UD-PrintDevice-B (100003)
Plate Stacks: (0) - Unknown
Print end: -

_UD-PrintDevice-C (100006)
Plate Stacks: (0) - Unknown
Print end: -

DtTest_CD102-SL (4612)
Plate Stacks: (0) - Unknown
Print end: -

DtTest_SM74-8-PSL (4622)
Plate Stacks: (0) - Unknown
Print end: -

FastTest_CD102-DT (FastT
Plate Stacks: (0) - Unknown
Print end: -

FastTest_CD102-DT-Dance
Plate Stacks: (0) - Unknown
Print end: -

FastTest_CD102-DT-Dance
Plate Stacks: (0) - Unknown
Print end: -

FastTest_CD102-DT-Forma
Plate Stacks: (0) - Unknown
Print end: -

FastTest_CD102-TK1 (Fast
Plate Stacks: (0) - Unknown
Print end: -

TIFF-8 Availability

Print Operation Data

4:28 PM (Text_2 4/4)
Operation: Text_2 4/4 Job: UD-Dev-C-Job-1(UD-Dev-C-Job-1) Layout: Interop III for Print05 - Demo II
Sheet: Text_2 (Text_2) Print start: 5/28/18, 4:28 PM Colors: BCMY/BCMY

4:57 PM (Text_1 4/4)
Operation: Text_1 4/4 Job: UD-Dev-C-Job-1(UD-Dev-C-Job-1) Layout: Interop III for Print05 - Demo II
Sheet: Text_1 (Text_1) Print start: 5/28/18, 4:57 PM Colors: BCMY/BCMY

5:25 PM (Cover 6/6)
Operation: Cover 6/6 Job: UD-Dev-C-Job-2(UD-Dev-C-Job-2) Layout: Interop III for Print05 - Demo II
Sheet: Cover (Cover) Print start: 5/28/18, 5:25 PM Colors: BCMYHP/-

6:16 PM (Text_2 4/4)
Operation: Text_2 4/4 Job: UD-Dev-C-Job-2(UD-Dev-C-Job-2) Layout: Interop III for Print05 - Demo II
Sheet: Text_2 (Text_2) Print start: 5/28/18, 6:16 PM Colors: BCMY/BCMY

7:06 PM (Text_1 4/4)
Operation: Text_1 4/4 Job: UD-Dev-C-Job-2(UD-Dev-C-Job-2) Layout: Interop III for Print05 - Demo II
Sheet: Text_1 (Text_1) Print start: 5/28/18, 7:06 PM Colors: BCMY/BCMY

Create Plate Stack

Plate Stacks

Availability of printing plates

Stack Data

Information

3:30 PM (000026)
Print start: 5/28/18, 3:30 PM Print end: 5/28/18, 4:32 PM Job number: UD-Dev-B-Job-1
Imaging time: 48 Minutes Press: _UD-PrintDevice-B (100003)
Platesetter: Suprasetter_145@KIE-WF30PRDY Plate Carts: PlateCart B

4:00 PM (000027)
Print start: 5/28/18, 4:00 PM Print end: 5/28/18, 4:28 PM Job number: UD-Dev-C-Job-1
Imaging time: 18 Minutes Press: _UD-PrintDevice-C (100006)
Platesetter: Suprasetter_145@KIE-WF30PRDY Plate Carts: -

4:15 PM (000025)
Print start: 5/28/18, 4:15 PM Print end: 5/28/18, 5:32 PM Job number: UD-Dev-A-Job-1
Imaging time: 0 Minutes Press: _UD-PrintDevice-A (100002)
Platesetter: Suprasetter_145@KIE-WF30PRDY Plate Carts: PlateCart A

Imaging

Platesetter

Machine Information

PrinectShooter@KIE-KOHNMICH-W7
Current: (-)
Press: (-)
Plates: (-)

Suprasetter_145@KIE-WF30PRDY
Current: PlateCart B (000026)
Press: _UD-PrintDevice-B (100003)
Plates: 16 (48 Minutes)

TiffBHandler1@KIE-WF30PRDY
Current: (-)
Press: (-)
Plates: (-)

TiffBHandler2@KIE-WF30PRDY
Current: (-)
Press: (-)
Plates: (-)



Presses

- Press status regarding plates
- Selection of press for work step view

Work steps

- List of work steps of selected press, sorted by start time
- Show progress of TIFF-B availability
- Intention:
 - Spot problems regarding planned start
 - Create plate stacks
 - In case of problems allow re-ordering of work steps
- Result: work steps grouped into plate stacks

Overview of work steps of one press for creating plate stacks.

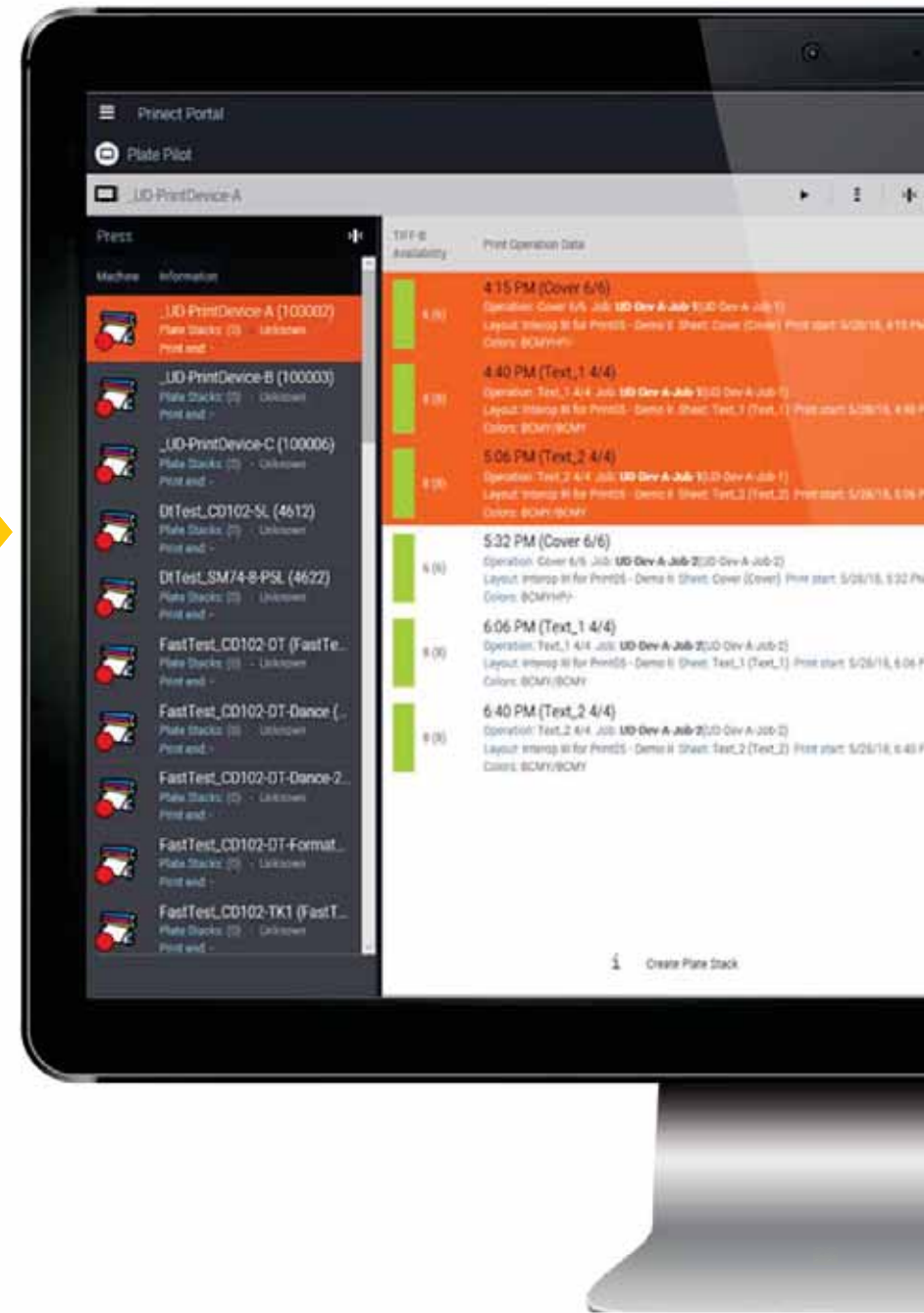




Plate stacks

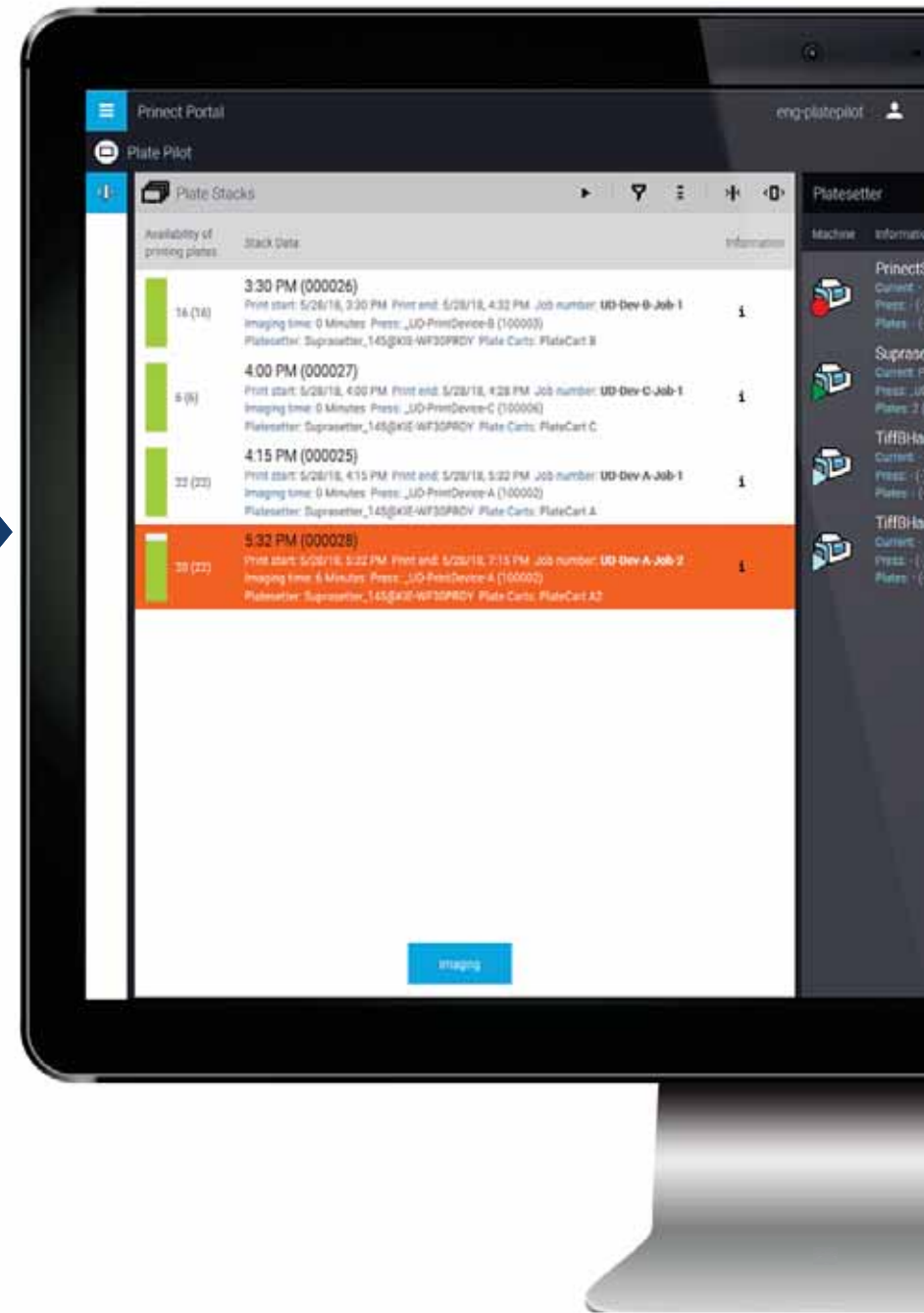
- shows plate stacks of all presses with ascending start time of their first work step
- Progress and problems of plate recording
- Filter for presses, platesetters, and status can
- Forward a plate stack to a free platesetter
- Optionally assign a plate trolley

In case of problems:

- Move recording to another platesetter
- Reimage a plate
- Selection of press for work step view

Platesetter

- Show platesetters and their status



**Result: Plate Stacks
imaged in time and order for
scheduled press runs.**

Plate Pilot Properties

- Any shooter/platesetter can be configured for the Plate Pilot
- platesetters are handled by the Plate Pilot exclusively (“either Plate Pilot or not”)
- 3rd part platesetters supported – via TIFF-B Handler
- Load balancing of plate setters – multiple plate setters in one cluster
- Ordering of plates within a plate stack strictly by press schedule
 - Tight integration with Scheduler
 - Manual reordering of press work steps in case of an exception
- Automation (rules based)
 - Plate stack creation
 - Plate stack recording
- Integration with NELA Plate Logistic in preparation
- Signaling of platesetter status via Pilot Lamp



Organizing plate output according to press schedule.

Automatic Plate Stack creation

- Rule-based creation of plate stacks according to printing start time and TIFF-B availability
 - Work steps sorted by start date (next work step ... next following ... then following ...)
 - Stack full when maximum stack size is reached
 - No of plates in stack must be recordable to reach press in time
 - work steps too far in the future are not started
 - when no platesetter is available, plate stack creation is interrupted

Automatic Plate Stack recording

- Rule-based forwarding of plate stacks to a free platesetter
 - When an platesetter is ready, select a new plate stack for recording
 - For the cluster of platesetters select the most urgent plate stack
 - Forward all plates of the plate stack to the shooter for recording
 - Somebody or something must take care of trolley change



Flexible automatic creation and recording of plate stacks.



Pilot Lamp. Remote Status Signal.

- Standard electric bulb controllable via WLAN (currently Philips Hue)
- Signals platesetter status “anywhere” in the print shop:
Error, waiting, idle, recording
- Configurable with Plate Pilot
- Several lamps supported
- Assign lamp to one or more platesetter





Pilot Lamp. Remote Status Signal.

- Standard electric bulb controllable via WLAN (currently Philips Hue)
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**Signal platesetter status
anywhere in the print shop.**





Overview plate processing.



Plate Pilot: Processing

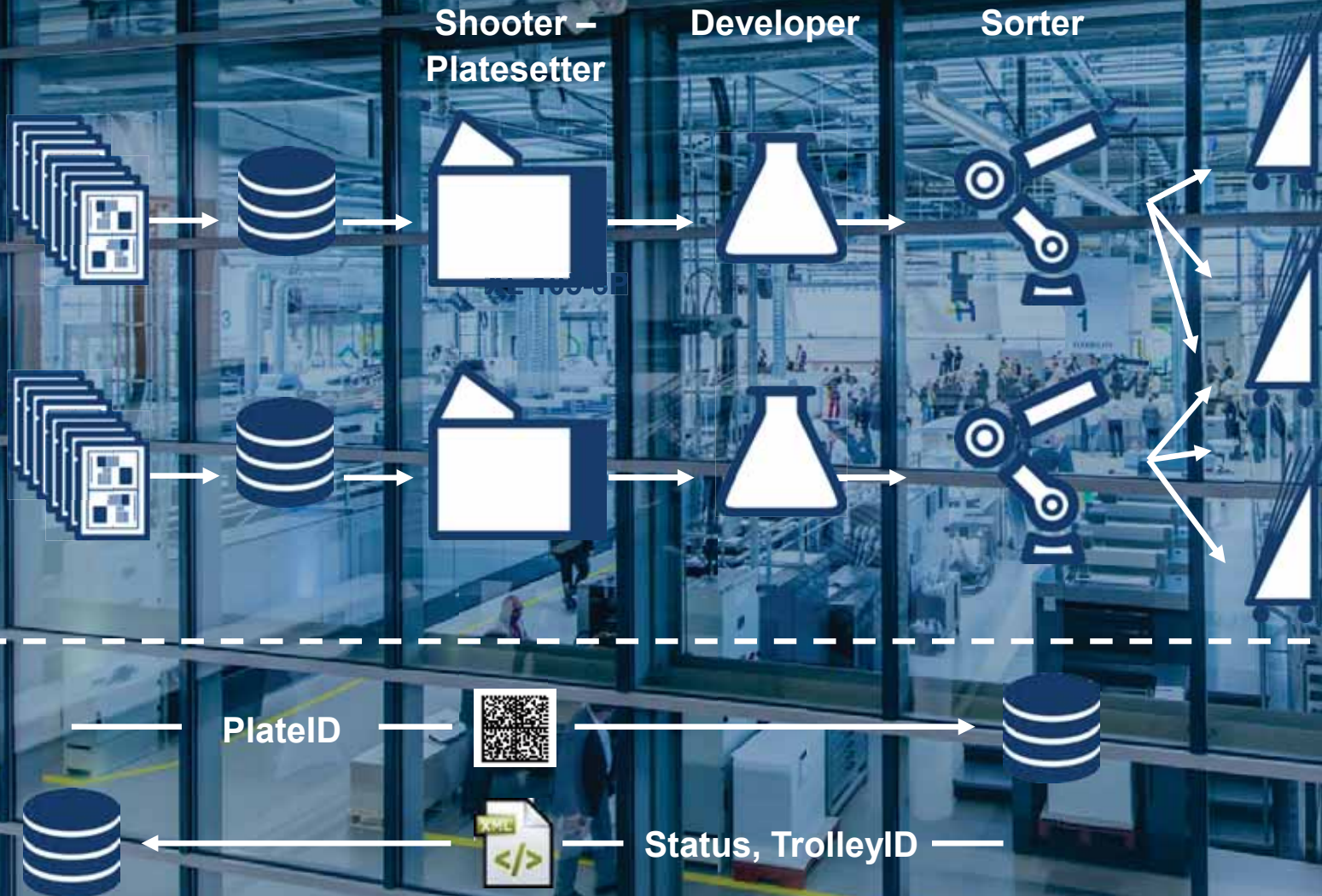


Plate processing as process.

- Configurable with Plate Pilot
- New step in ImpositionOutput and FormOutput-Sequence
- „Ready“-Trigger
 - Manual: in Plate Pilot Web-UI
 - Automatic: integration with NELA plate status center



Integration NELA Status Center.

- Standard Plate Mark in Signa containing all necessary plate properties for NELA
- New Plate-Interface in Prinect API for NELA
 - to report plate processing status
 - to get current target press
- Delivers „Plate Ready“ even for 3rd party platesetters





**Represent plate processing
as processing step in Prinect.**





Plate Pilot summary.





Configuration

- ON/OFF for entire System
- Supports Suprasetter and 3rd party platesetter via Shooter
- Manual and automatic modes

Prinect Portal Plate Pilot Widget - react to disturbances

- Press worksteps: TIFF-B availability, Creation of Plate Stacks
- Plate Stacks: Plate availability, Initiate image setting

Pilot Lamp – easy supervision of the CtP status

- Signals platesetter status “anywhere” in print shop

Plate Processing – know if the plates are okay

- Modeling of plate development, bending, quality assurance
- Integration with NELA via special data matrix mark and Prinect API



Organize plate making according to press – Push to Stop for plate making.



Where do I get it.

The new Plate Pilot is part of Prinect Production 2019.
With the upgrade to Prinect 2019 of your existing
Prinect workflow with options Scheduler or
MIS-Connection or Smart Automation.





Workflow solutions for Business and Production.
Prinect. Driving the Smart Print Shop.



Thank you very much for your attention.
We are happy to answer your questions.