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

Integrate customers.

Reduce touchpoints.

Increase productivity and operating time.

Reduce paper waste and warehousing.

Optimize consistency and reproducibility.

Business Intelligence.

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Business Intelligence.

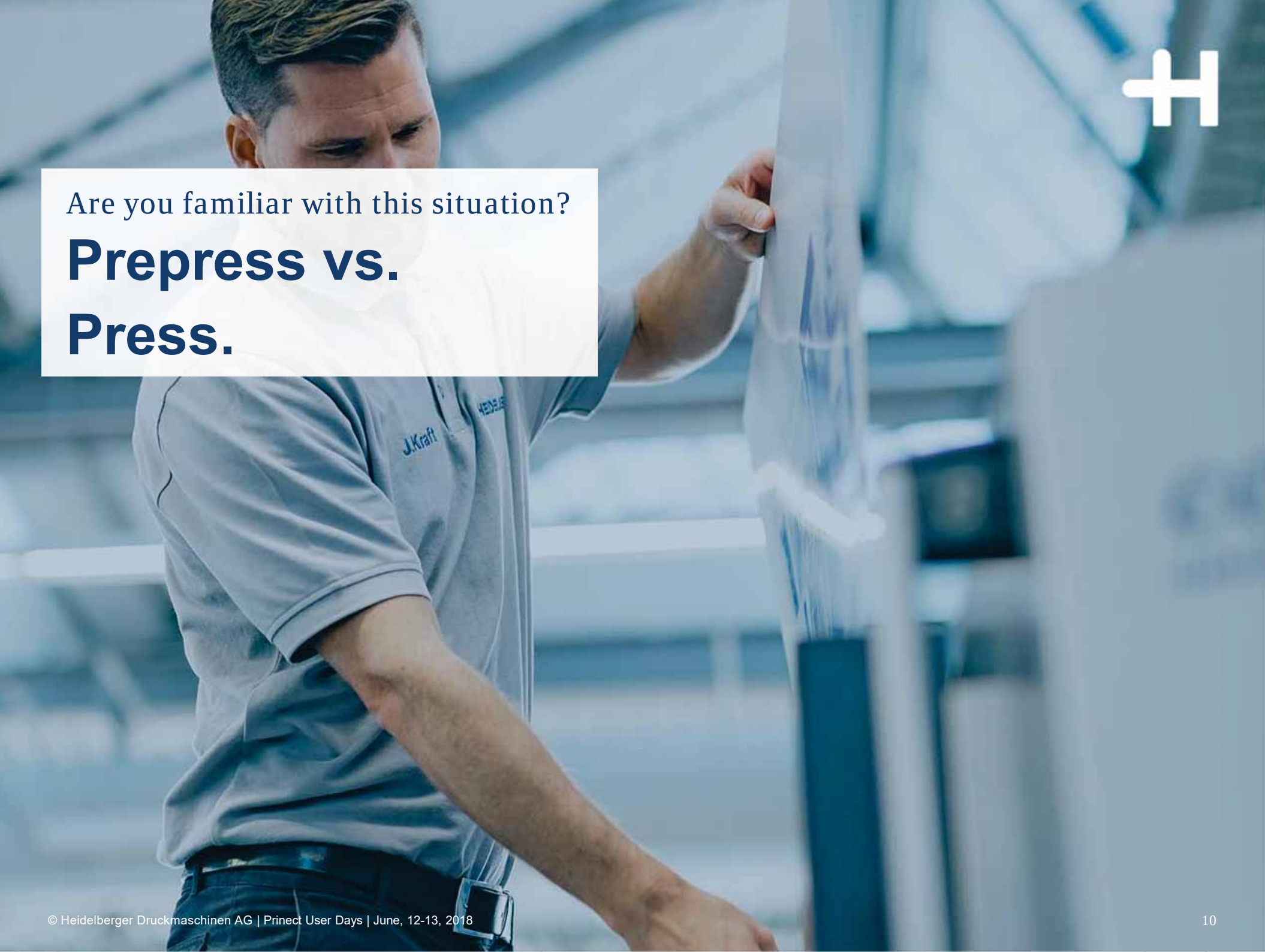
Reducing Touchpoints with Prinect Prepress.

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.



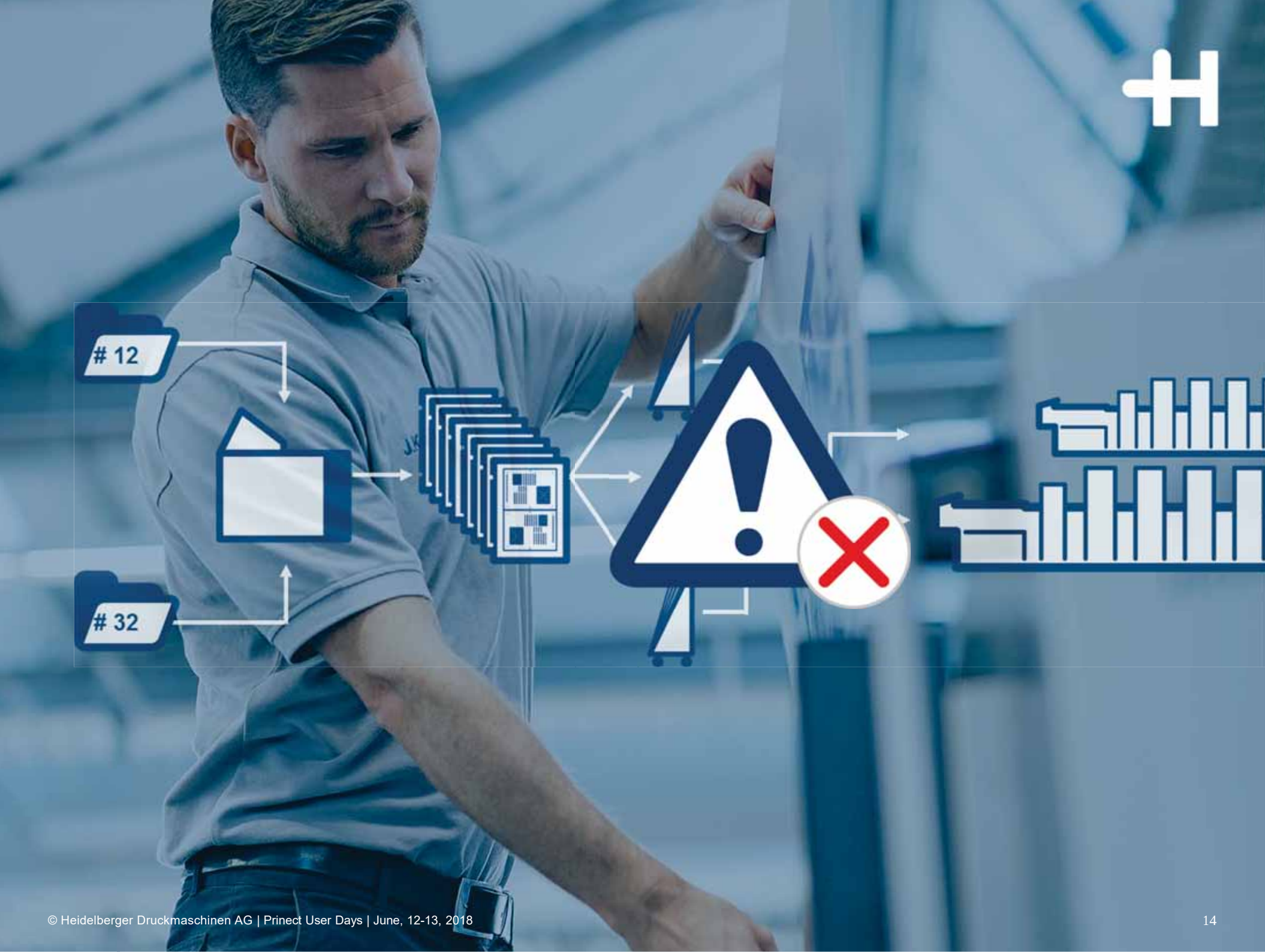
Are you familiar with this situation?

Prepress vs. Press.


Press scheduling
Plate scheduling
?
?
12
32

This leads to a daily challenge.


12
32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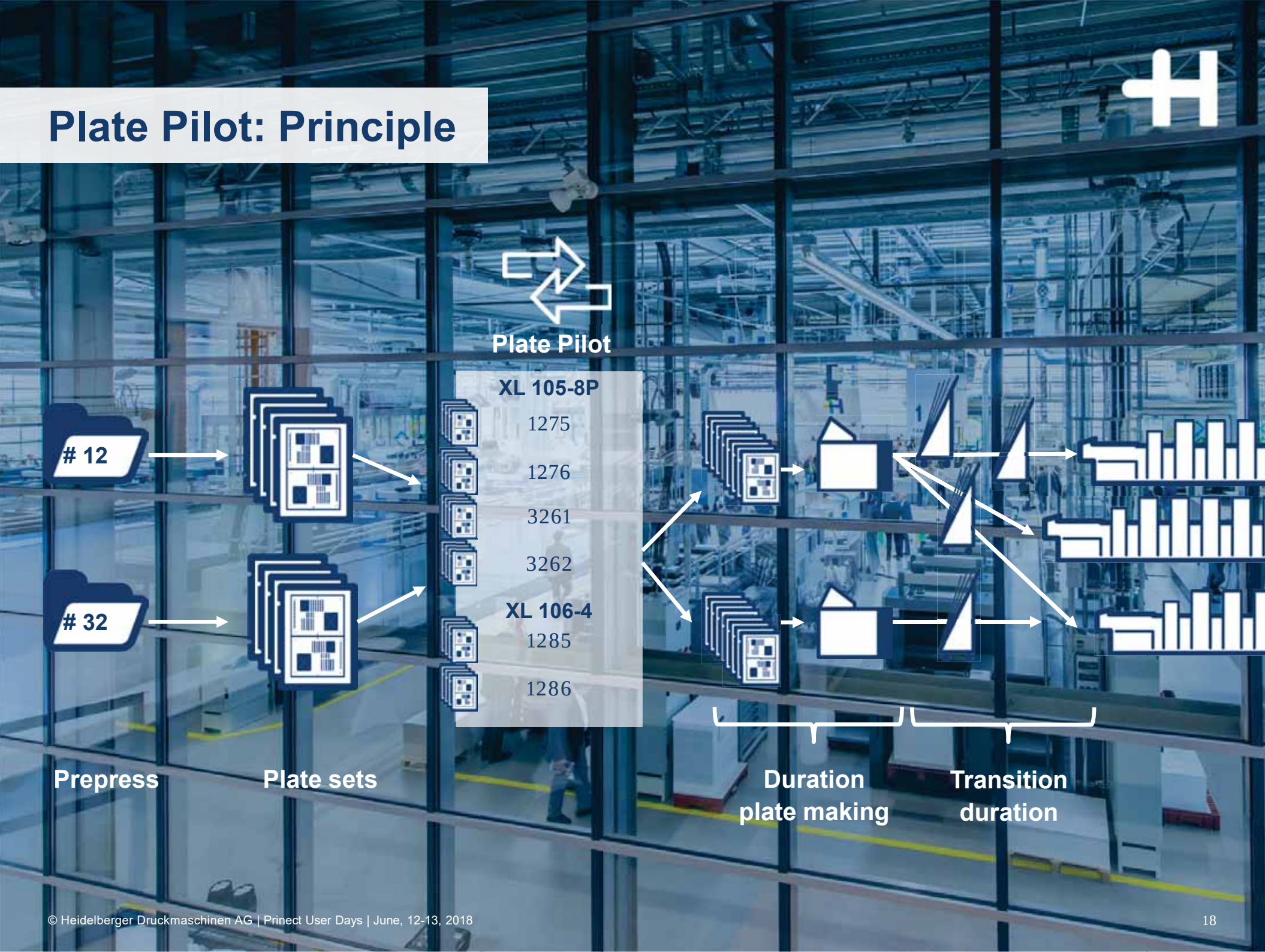
Prepress data flow

Press schedule

Plate Pilot

Plate Pilot –
Push to Stop for plate making.

Plate Pilot: Principle



Sebastian Bauch

Live Demonstration.

Plate Pilot: Principle

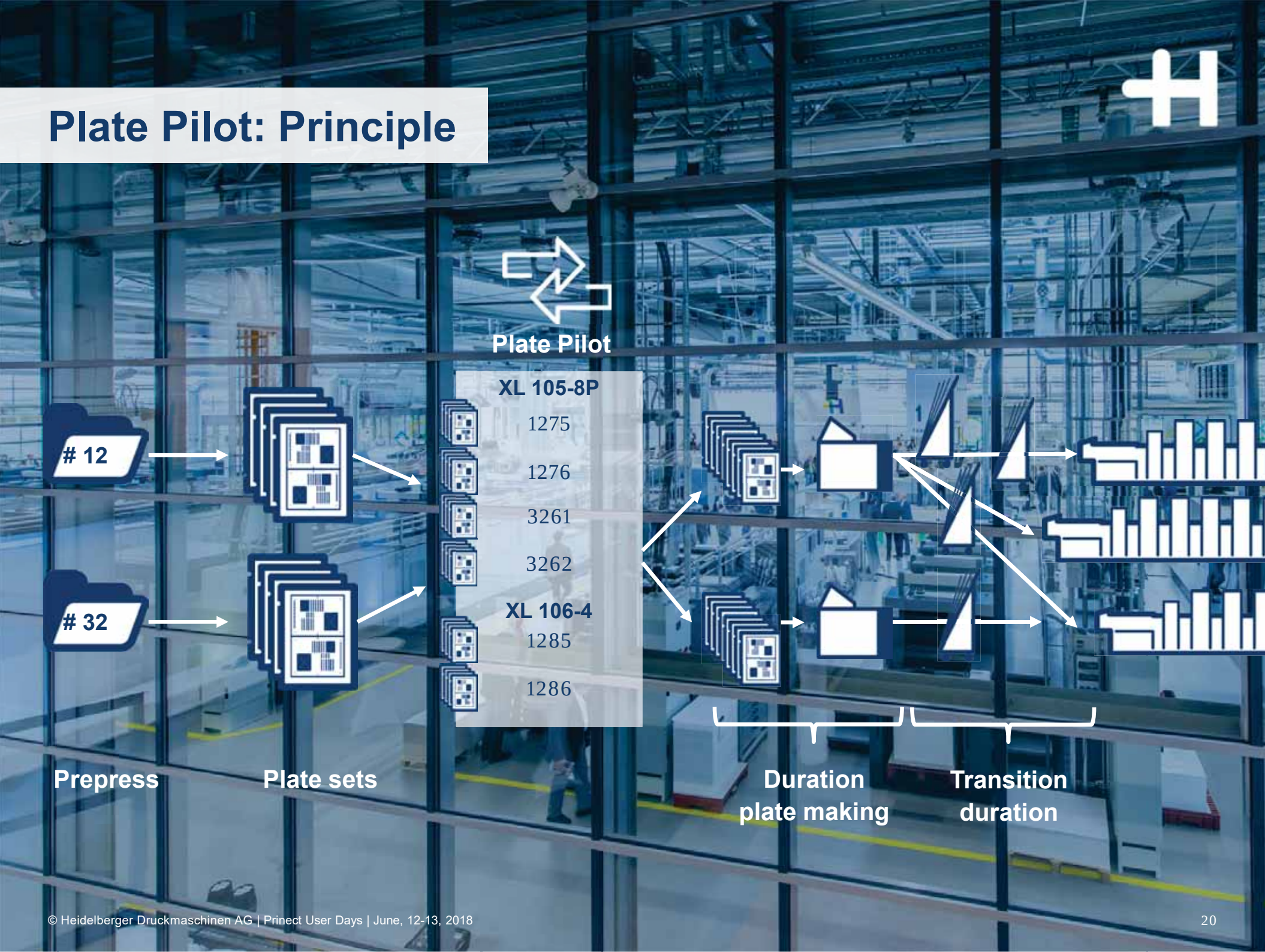
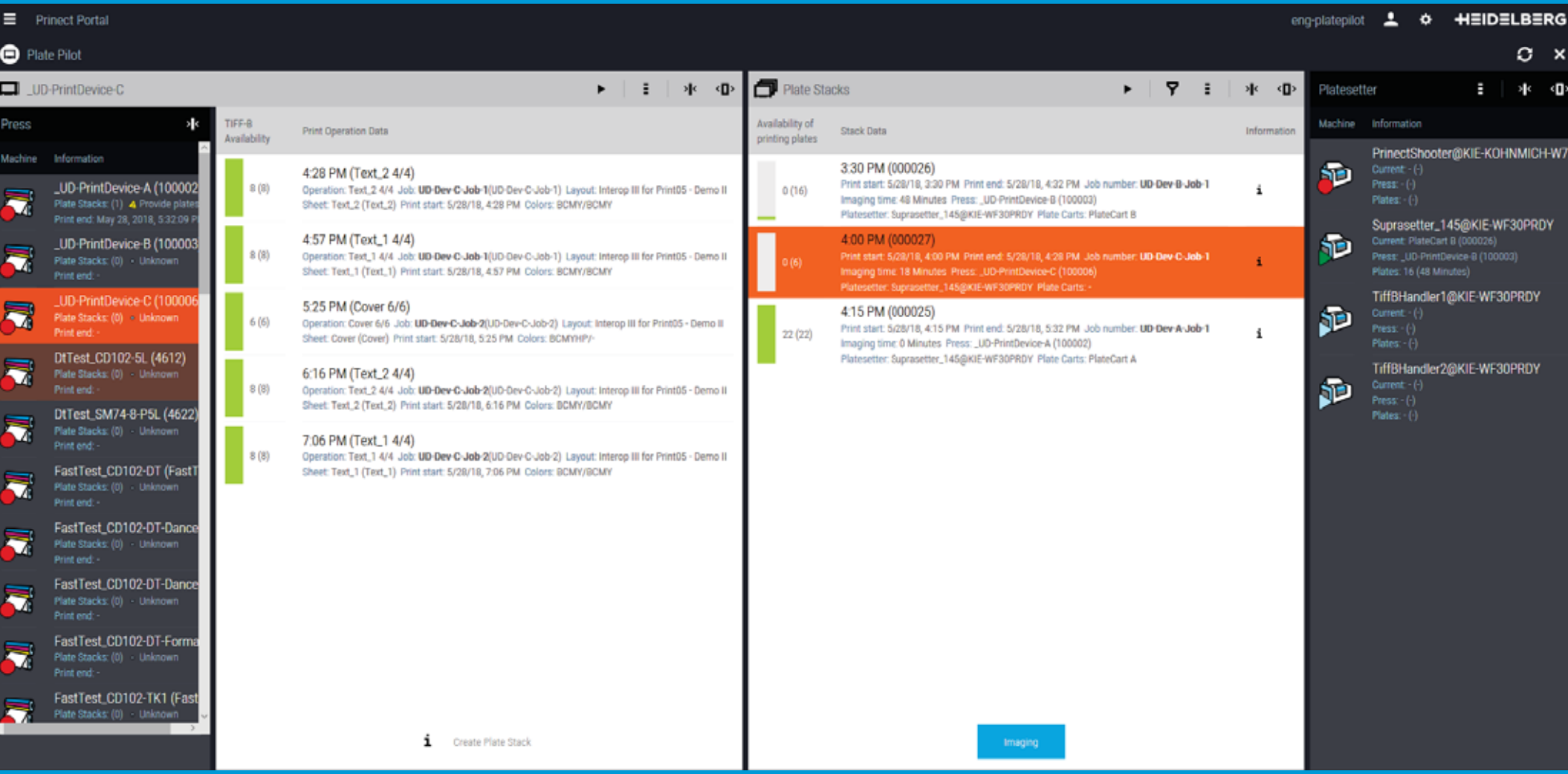


Plate Pilot – control via Portal Widget

Presses | **TIFFs sorted by schedule** | **Plate Stacks** | **CtP devices**



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.

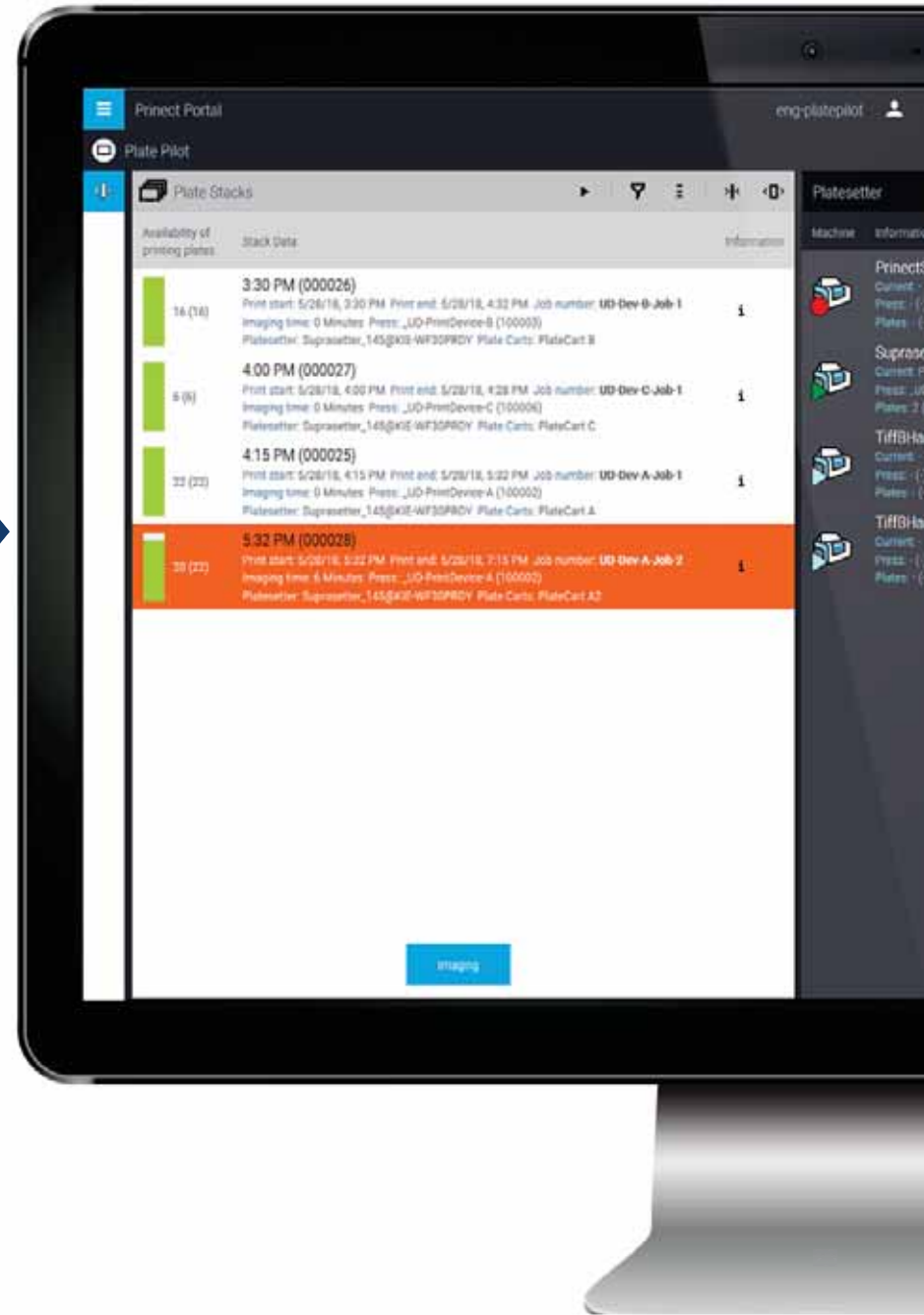


Plate Pilot Properties

- → 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

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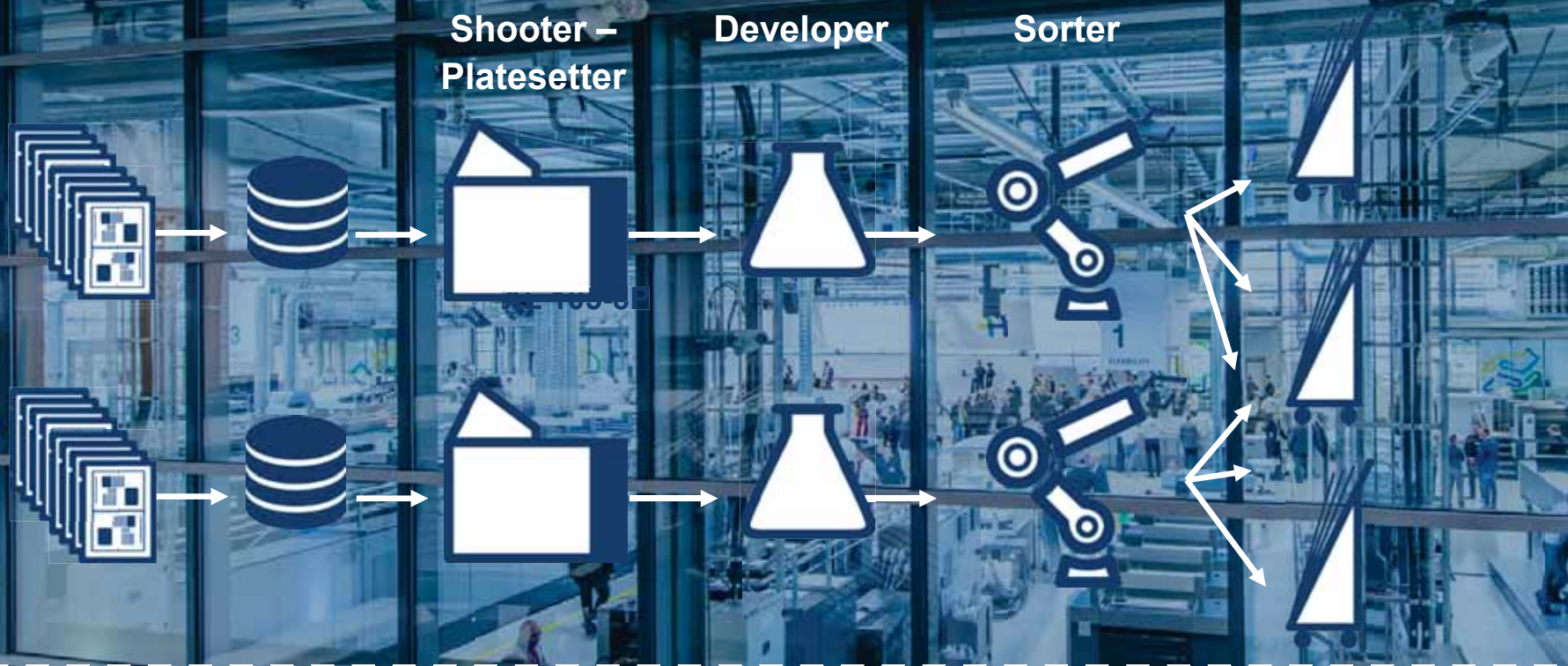
Signal platesetter status anywhere in the print shop.

Overview plate processing.

Plate Pilot: Processing



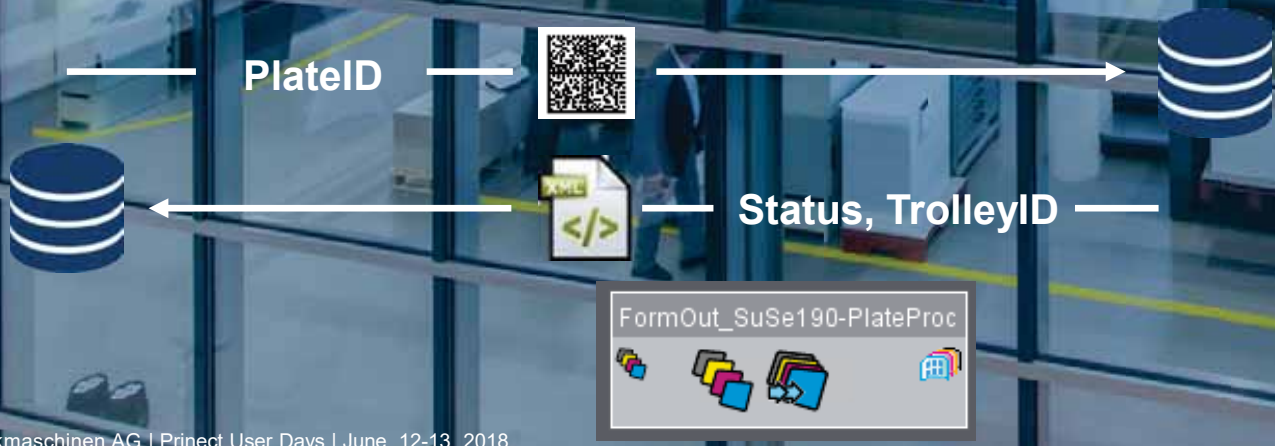


Plate processing as process.

- → 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.