



Heidelberg goes digital.
**One year “Heidelberg Subscription”
at Klampfer Group, Austria.**

Press Event

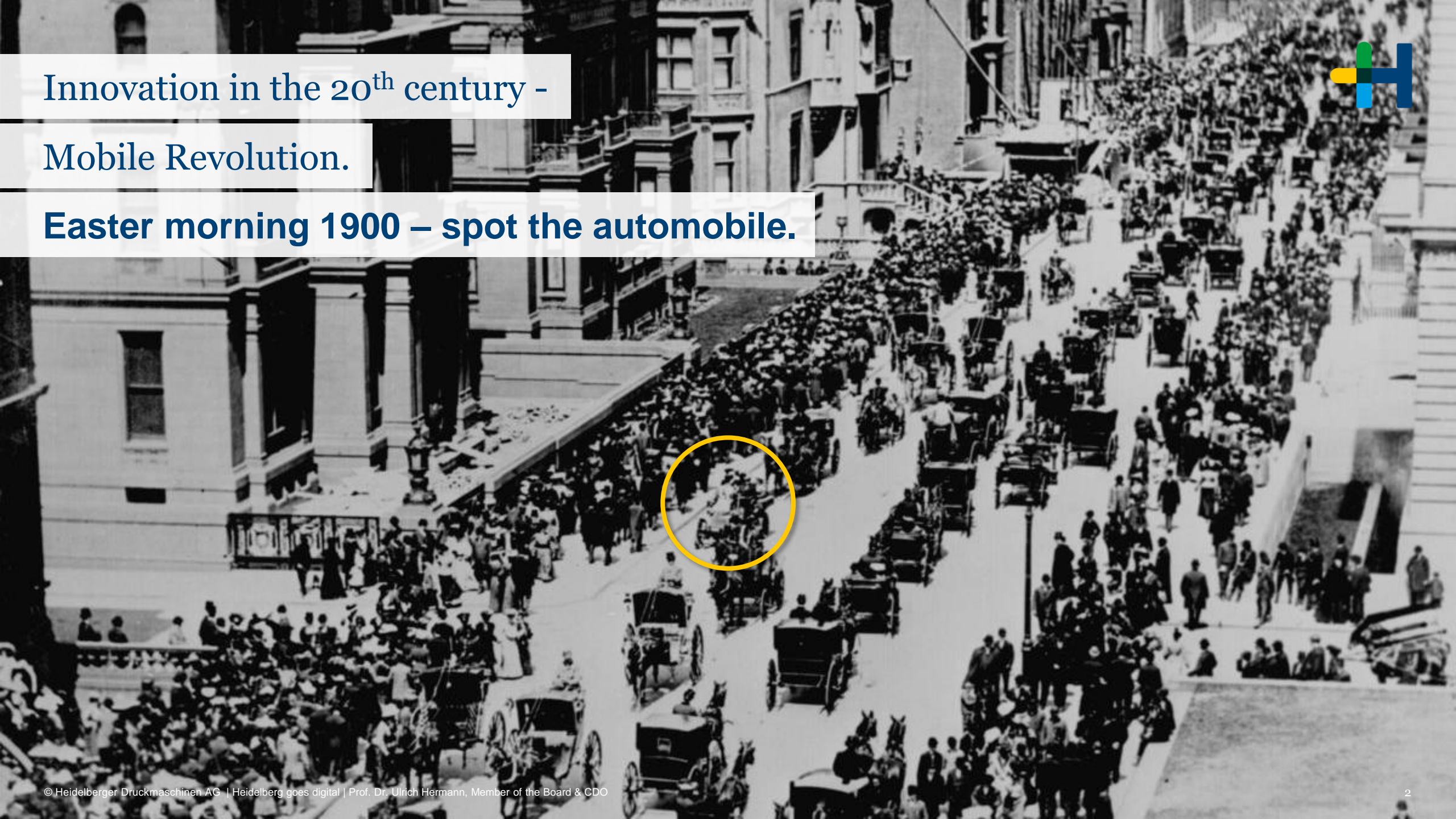
Prof. Dr. Ulrich Hermann, CDO | St. Ruprecht, September 19, 2019

HEIDELBERG

Innovation in the 20th century -

Mobile Revolution.

Easter morning 1900 – spot the automobile.



Innovation in the 20th century -

Mobile Revolution.

Easter morning 1913 – spot the horse.



Digital Innovation -

The power of Digital Business Models.

New York, 7th Avenue 2012.

TAXI

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Digital Innovation -

The power of Digital Business Models.

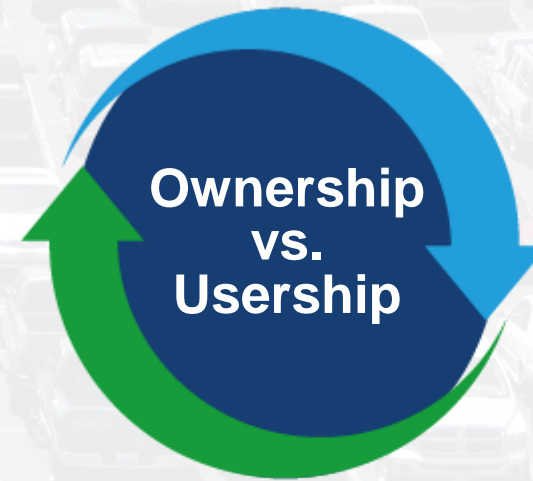
New York, 7th Avenue 2017.

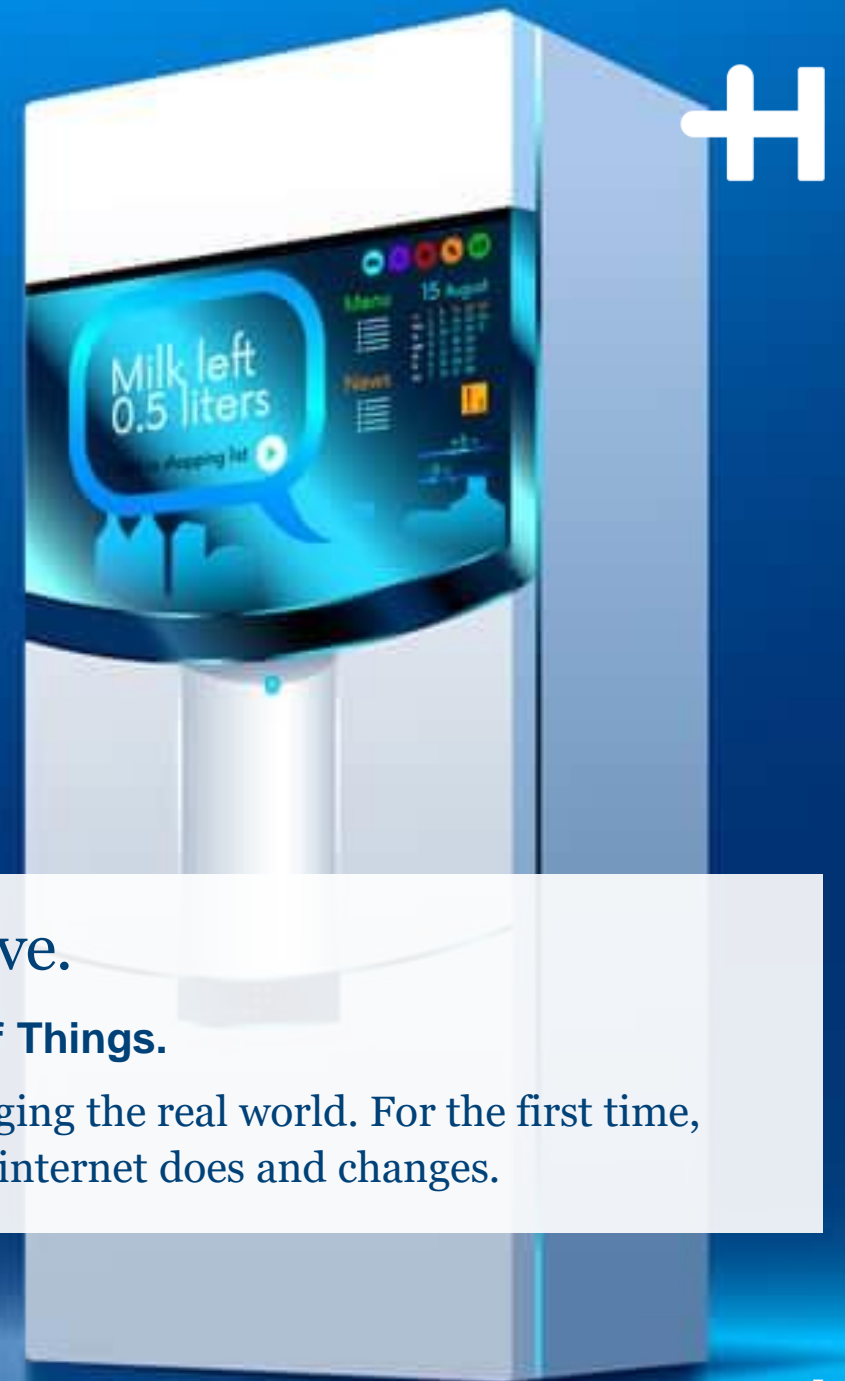
UBER





The Availability Dilemma.





The Third Wave.

Digital Economy of Things.

The internet is changing the real world. For the first time, people see what the internet does and changes.



Digital Economy of Things. From “Ownership” to “Usership”.





Printing. Transition from “Black Art” to industrial printing.



*From the
small craft
business ...*



... to an industrial
company.



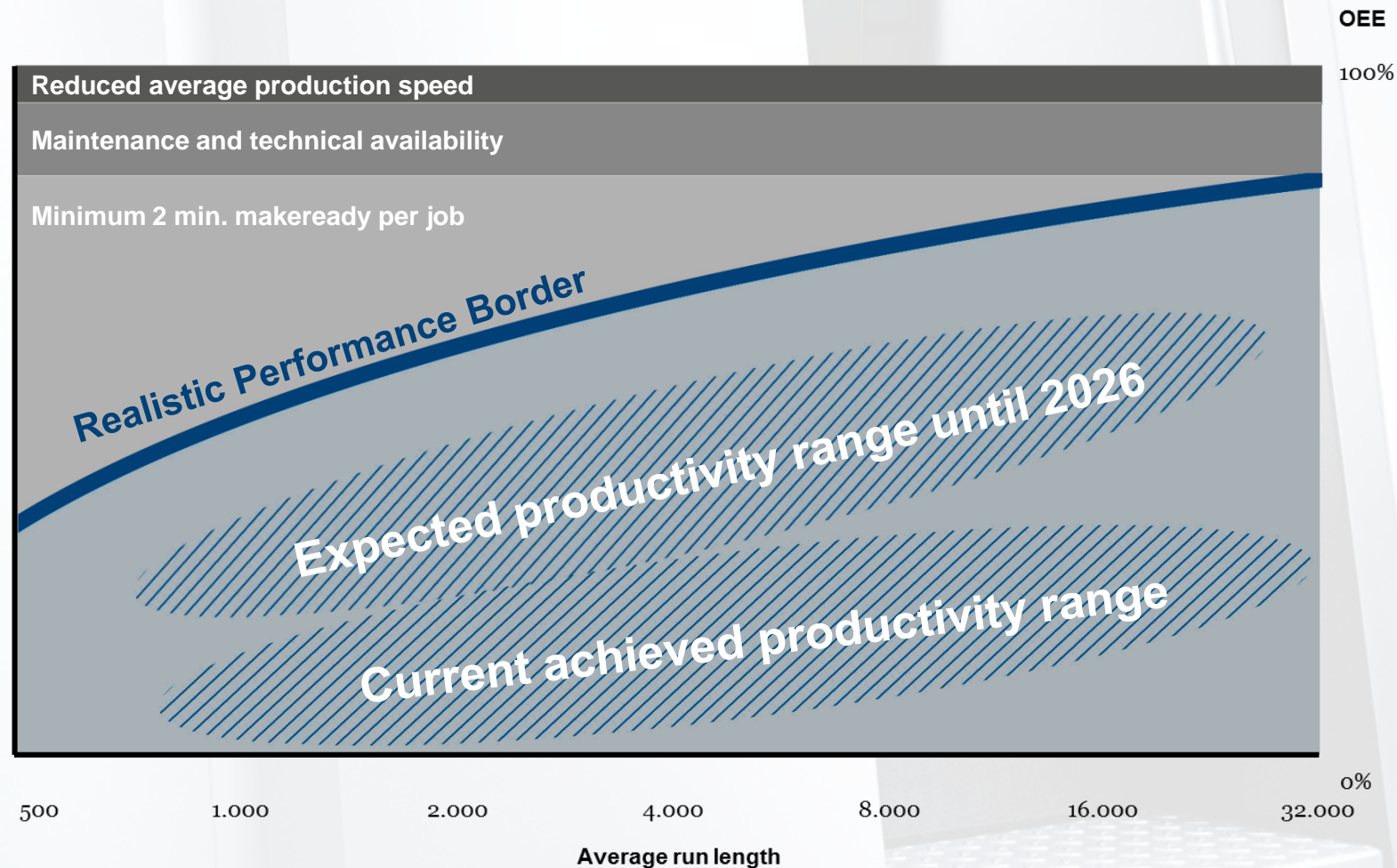
Print media industry 4.0.

- Highly flexible production of mostly individualized print products.
- Massive pressure on production costs, flexibility and delivery times.
- Print shop embedded in a digital supply chain with customers and suppliers.
- Provision of additional services, e.g. dispatch, multimedia marketing.
- 24 x 7 hour operation.
- Working in and for a global market.

A large, modern industrial printing machine, likely a Heidelberg Speedmaster, is shown in a close-up, slightly angled view. The machine is white and grey, with various control panels and rollers visible. The background is slightly blurred, emphasizing the machine's structure.

Industrial printing means **OPERATIONAL EXCELLENCE**

The average OEE doubles in 10 years.

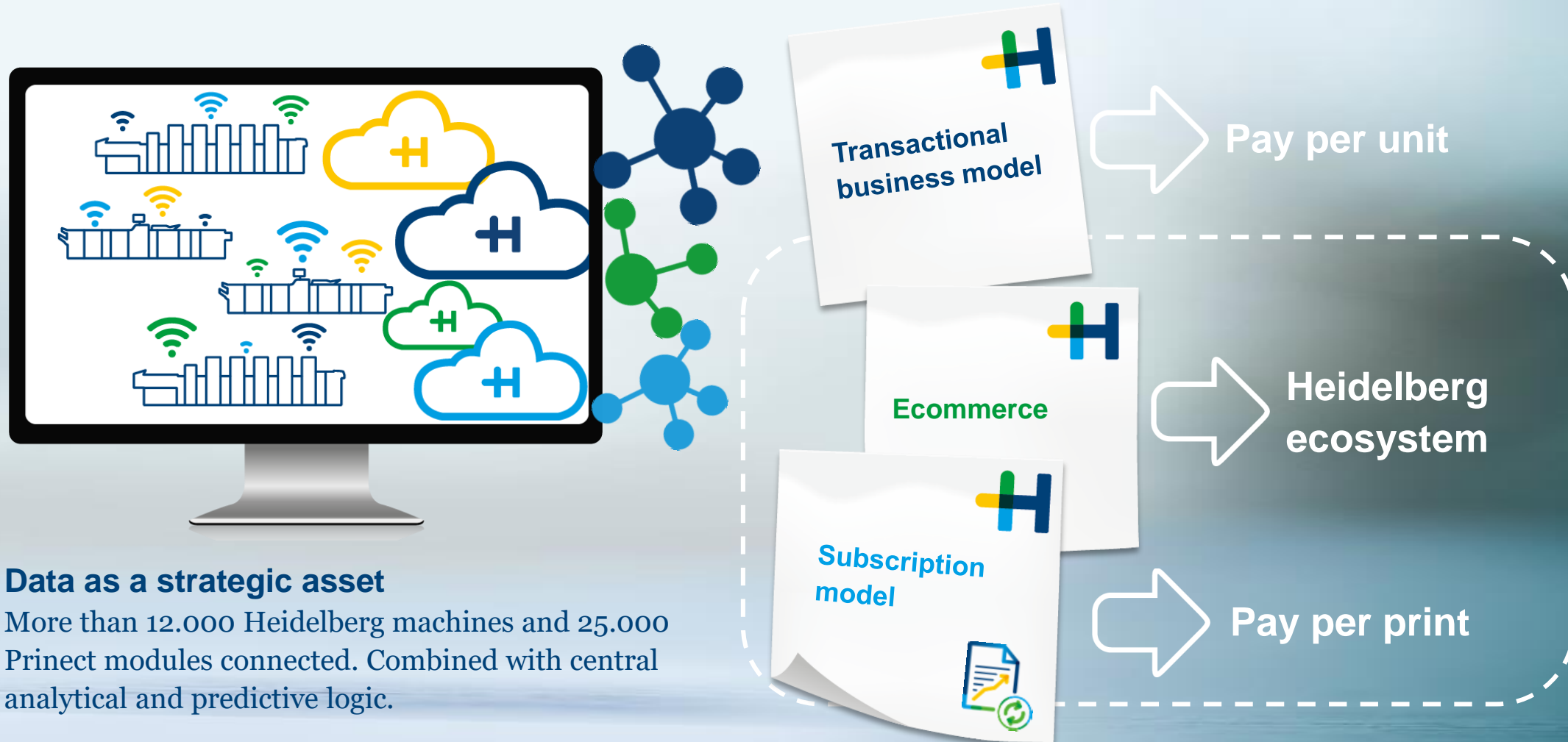


Our agenda is clear. Heidelberg goes digital.



Heidelberg goes digital.

Big Data provides the basis for digital revenue models.

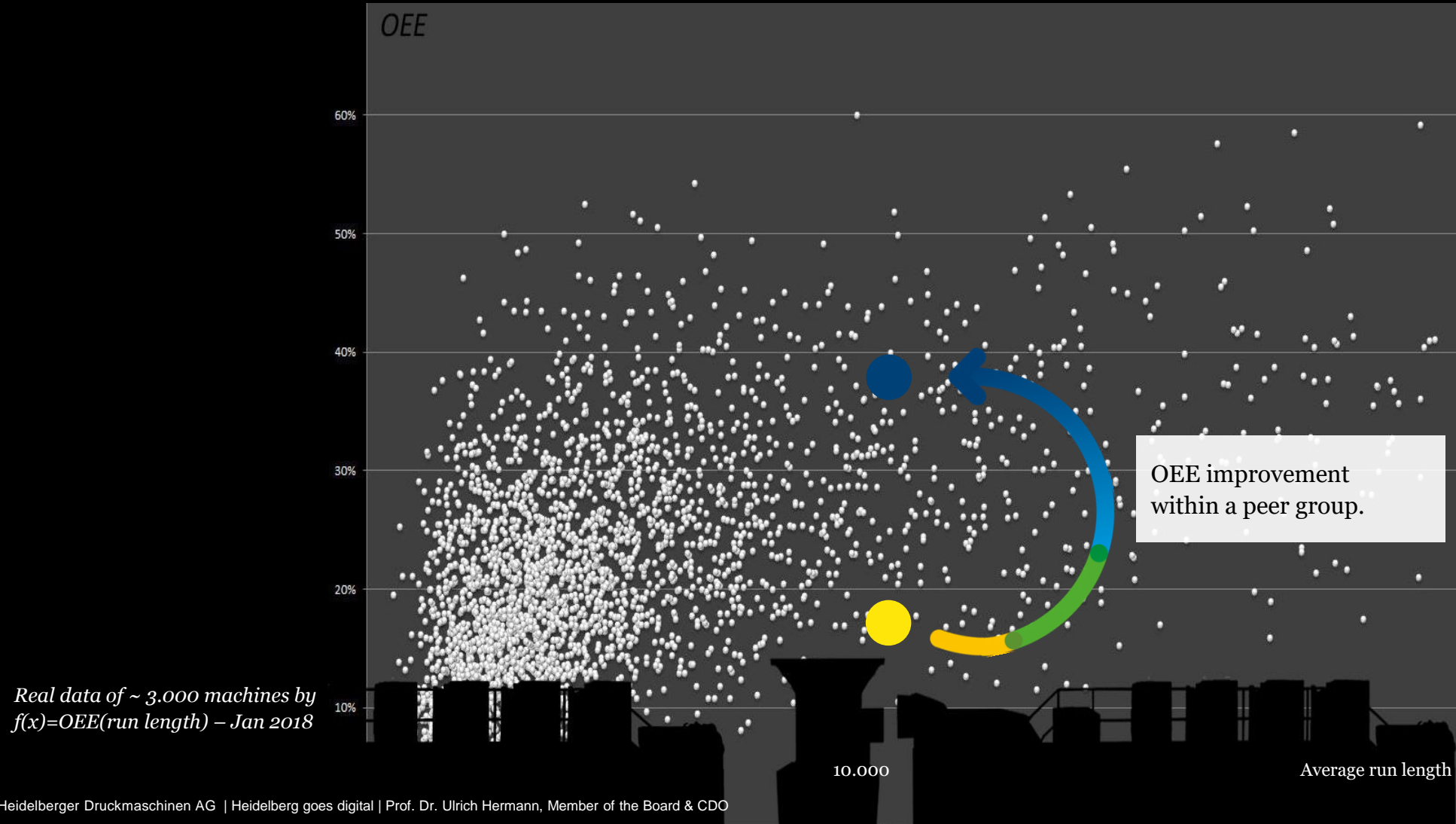


Data as a strategic asset

More than 12.000 Heidelberg machines and 25.000 Prinect modules connected. Combined with central analytical and predictive logic.

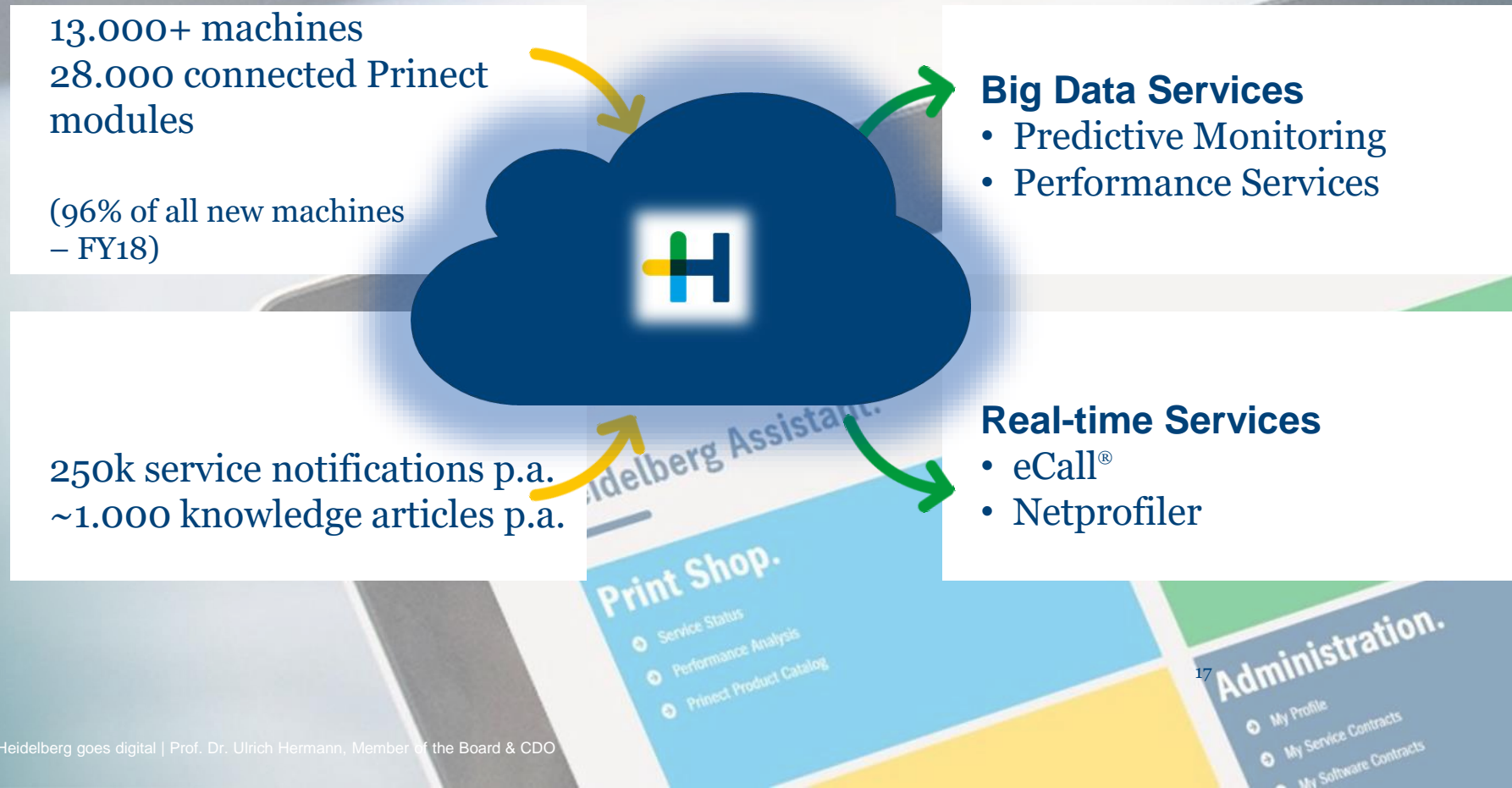


The Sheetfed Milky Way. Unique by network effect.



Heidelberg Cloud.

IoT as a key – data based services.





Heidelberg Cloud.

A day in our Service Center.

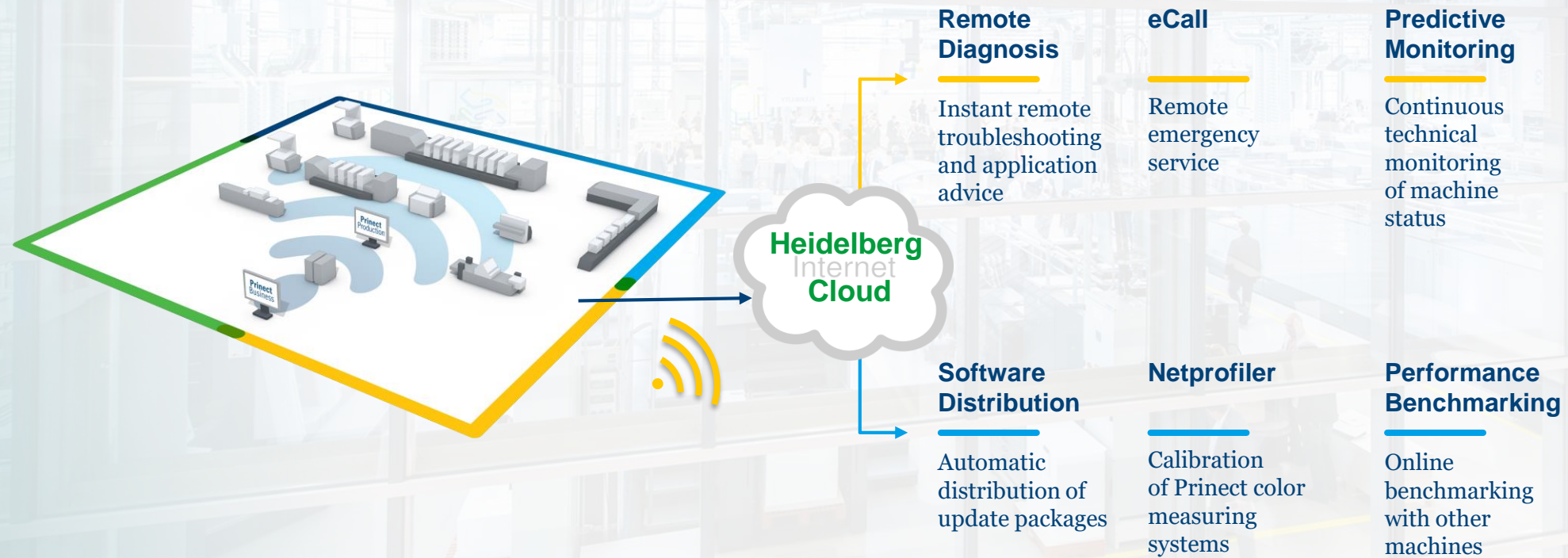
Monthly business performance.

- 4.000+ Remote Sessions for service interventions
- 4.000.000 data sets from sensors and software modules
- 1 TB data in log files
- 150.000 software update requests

Big Data.

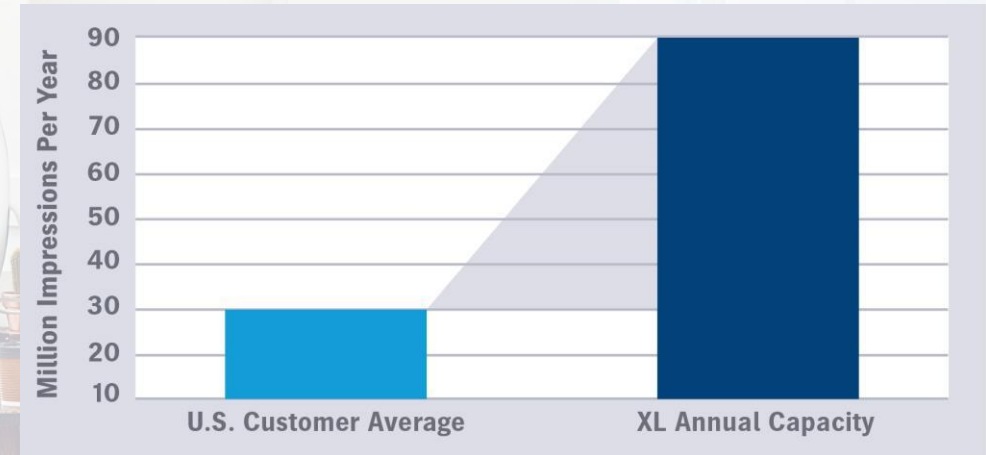
- 30.000.000+ Print jobs as benchmark database for the Print Media Industry

Heidelberg Remote Services. An innovation platform.





Lifecycle oriented business model. #Heidelberg Subscription.



For more details visit
www.heidelberg-subscription.com/

Customer feedback Lensingdruck: sustainable performance improvement was our motivation.

Reasons for the Heidelberg subscription model:

- Our company had to skip a generation of machines.
- Heidelberg's Performance Plus has made this leap more comfortable for us.
- Monthly evaluation and benchmarks show us our potential for improvement.
- Staff training has significantly increased our output.
- We pay only, what we consume.

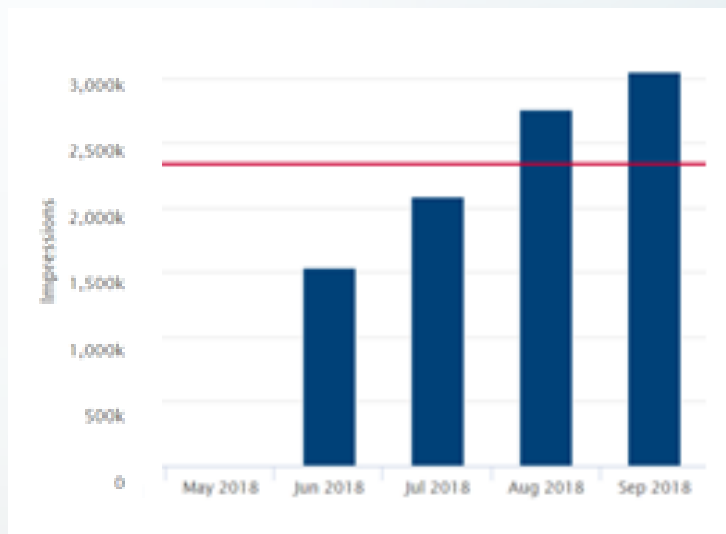
Robert Dembinski, Managing Director



Customer feedback Lensingdruck: the model links our and Heidelberg's success.

Advantages of the Heidelberg subscription model:

- Monthly billing is based on your own printing volume.
- Expenses for the purchase of consumables are eliminated.
- Order costing is considerably simplified.
- Systematically improving the handling of smaller run lengths and thus following the trend in our market.





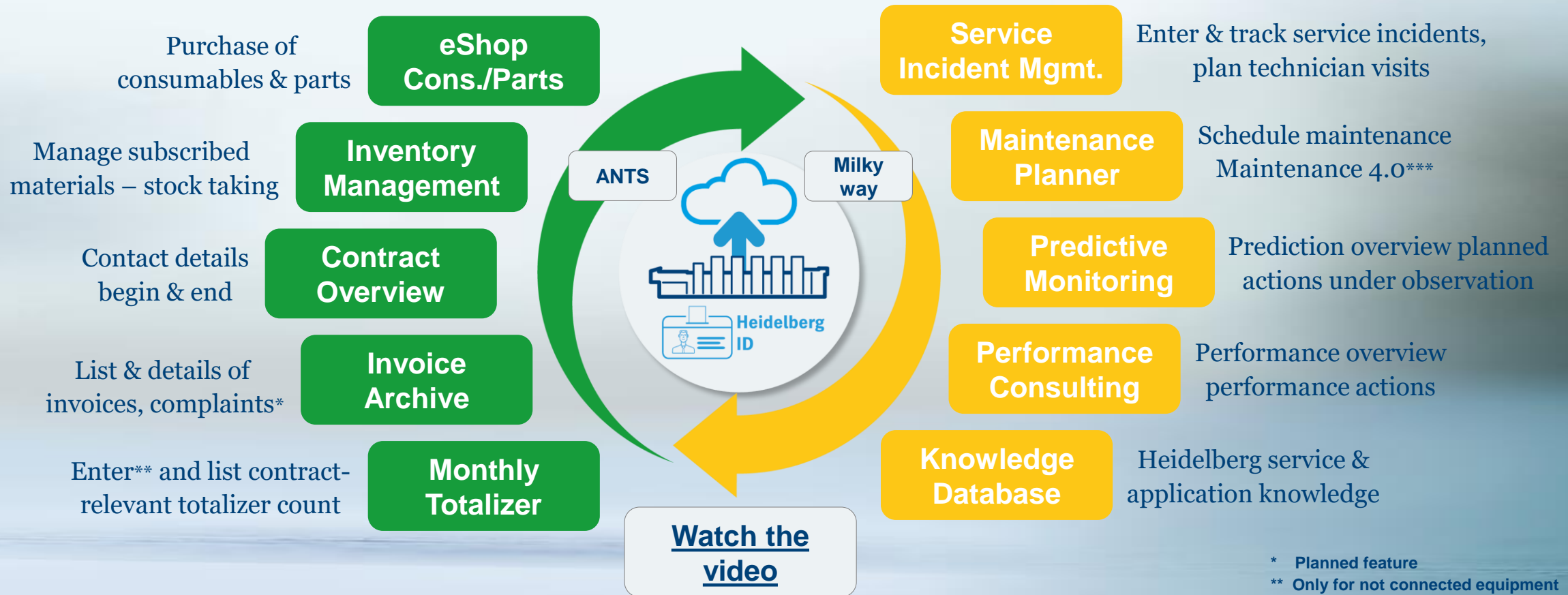
Heidelberg ID.

Secure, personal access to your data.

The Heidelberg ID identifies a natural person (contact) with a specific role in the print shop.

The Heidelberg ID is valid for authentication and authorization for all Heidelberg digital applications.

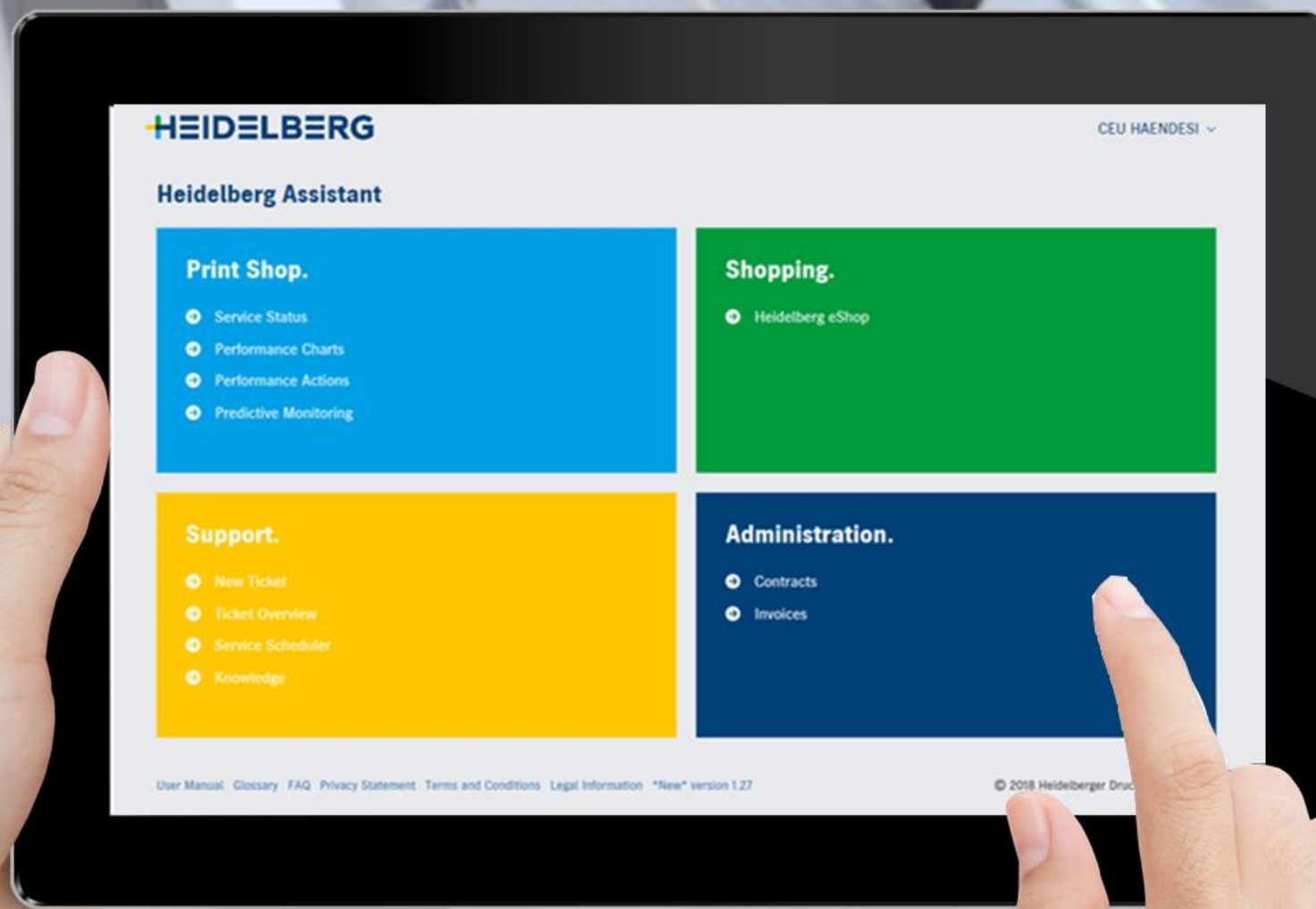
Heidelberg Assistant. Heidelberg's Digital Collaboration Platform.



* Planned feature
 ** Only for not connected equipment
 *** If available

Heidelberg Assistant.

The whole print shop at a glance.



Heidelberg Assistant. Predictive Monitoring.

- To increase machine availability through error avoidance.
- Optimum maintenance measures at the right time.



Heidelberg Assistant. Predictive Monitoring.

- To increase machine availability through error avoidance.
- Optimum maintenance measures at the right time.

> Predictive Meldungen						
> Erforderliche Wartungsmaßnahmen						
> Themen unter Beobachtung						
▼ Predictive Meldungen						
Ticketnummer	Maschine / Software	Erstellt am	Zusammenfassung	Fehlerort	Predictive Status	Priorität
005504187974	XL 106-6+L (FS001730)	16.1.2018 09:00	PCALL:PCALL E/M_PU2_PU5_Plate Cylinder D			Nächster Serviceeinsatz
005504198177	XL 106-6+L (FS001730)	26.1.2018 20:31	PCALL:E_PU1_Sheet detected above feed cy			Nächster Serviceeinsatz
005504198203	XL 106-6+L (FS001730)	26.1.2018 20:41	PCALL: E_Press_Maschine doesn't work sta			Nächster Serviceeinsatz
005504201908	XL 106-6+L (FS001730)	31.1.2018 21:17	PCALL: E/M_PU3_Malfunction: Fan sheet gu			Nächster Serviceeinsatz
005504204244	XL 106-6+L (FS001730)	3.2.2018 17:47	PCALL:E_PU1_Malfunction: LPR sheet guide			Nächster Serviceeinsatz
005504230714	XL 106-6+L (FS001730)	8.3.2018 14:03	PCALL:M_DeI_Swing-away rear edge stops c			Nächster Serviceeinsatz

Neue Maßnahme erstellen

Maschine* Wählen Sie eine Maschine: XL 106-8-P 18k (FS)

Titel*

Beschreibung*

Priorität*

Status*

Fällig am*

Verantwortlicher (Heidelberg)

Verantwortlicher (Kunde)

*Pflichtfeld

Empfohlene Maßnahmen

Erstellt am	Titel	Priorität	Status	Fällig am	Verantwortl... (Heidelberg)	Verantwortl... (Kunde)	Maschine
27.10.17 08:39	Print Color Management	Hoch	Offen	03.11.17 00:00	Name	Name	XL 106-8-P 18k (FS)



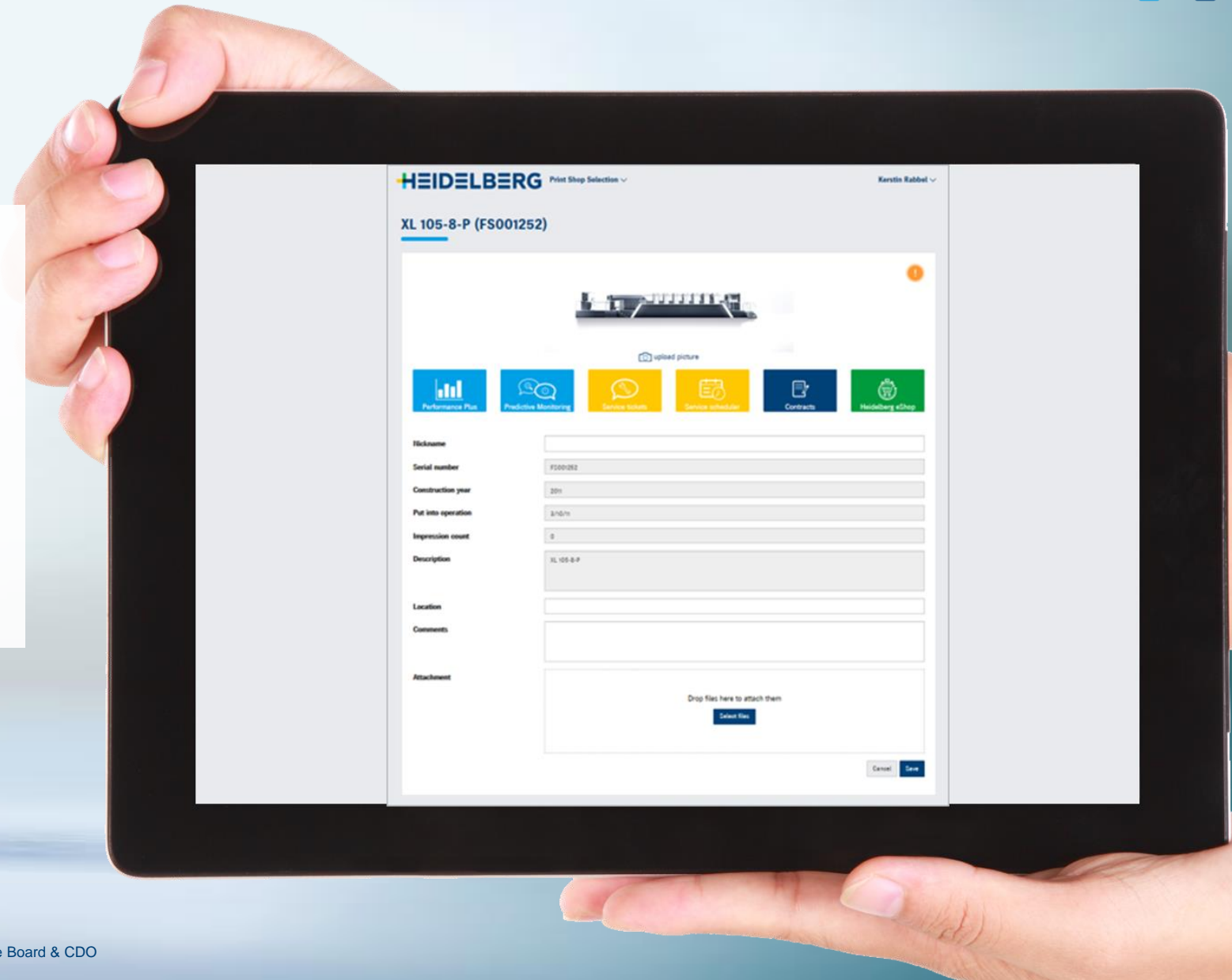
Heidelberg Assistant. Performance Service.

- Performance overview & consulting.
- Recommended actions = interactive task list.



Heidelberg Assistant. Shopping – suitable for the machine.

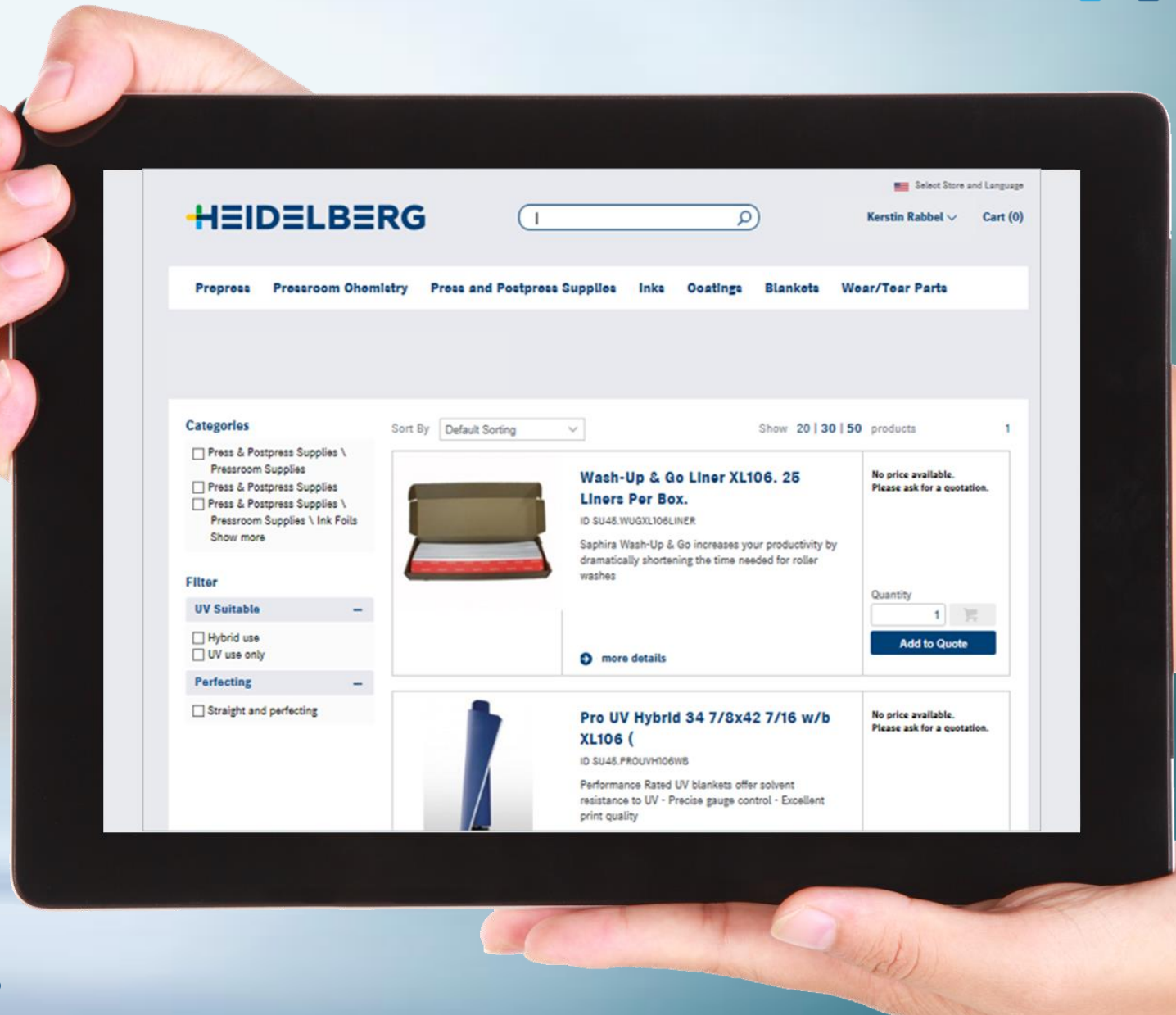
- Direct access from the equipment to a pre-selected list of suitable consumables in the eShop.
- Spare parts clarification and ordering.



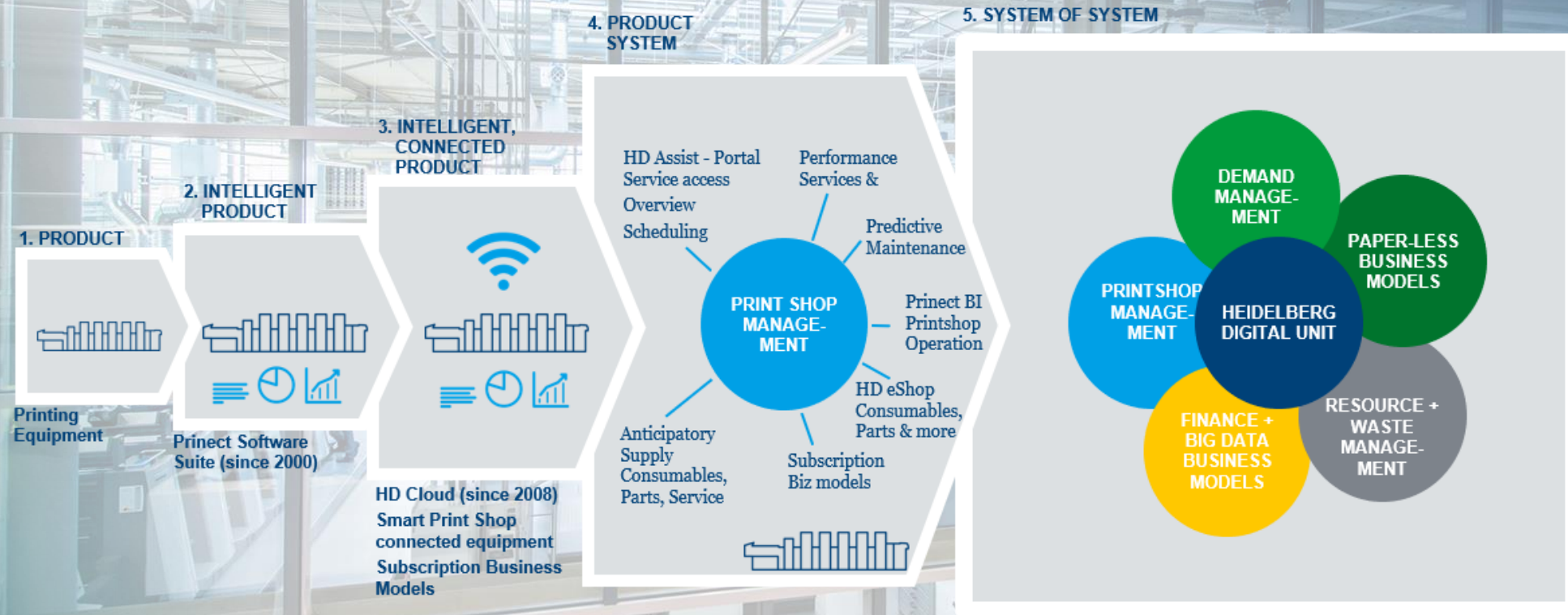


Heidelberg Assistant. Shopping – suitable for the machine.

- Direct access from the equipment to a pre-selected list of suitable consumables in the eShop.
- Spare parts clarification and ordering.



Heidelberg has a vision. Operate the global leading digital ecosystem of the Print Media Industry.





Heidelberg Digital Unit. Creating the ecosystem platform for print media industry in China.

