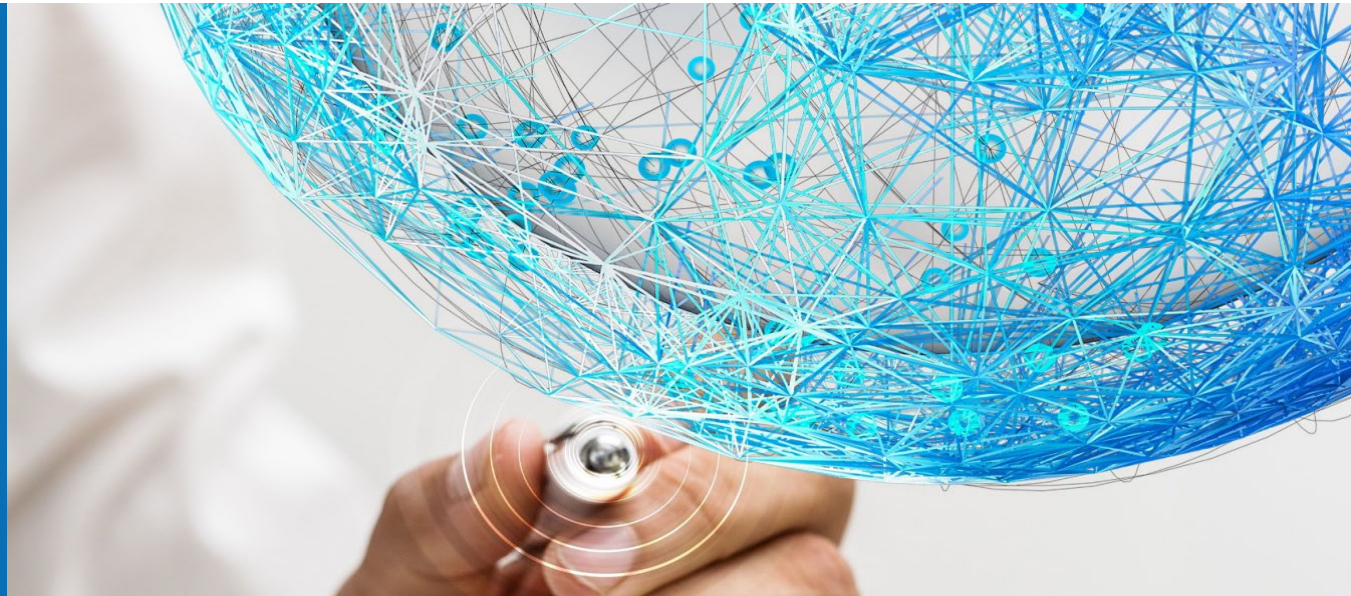


B/S/H/

Lernreise i4.0 BSH digital

Data driven Business Models
Thomas Salditt (GDT-BE)
Munich, November, 11th, 2020



Data Driven Business Models

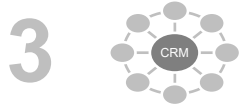
Content



Digital Transition and Change



„Attract Consumer“ Consumer Journey Management



“Understand Consumer” Consumer Relationship Management



“Monetize Consumer” Data Driven Business Models

Pleasure to meet you, my business can't be disrupted...



Quelle did not die because of Otto



Always looked at...



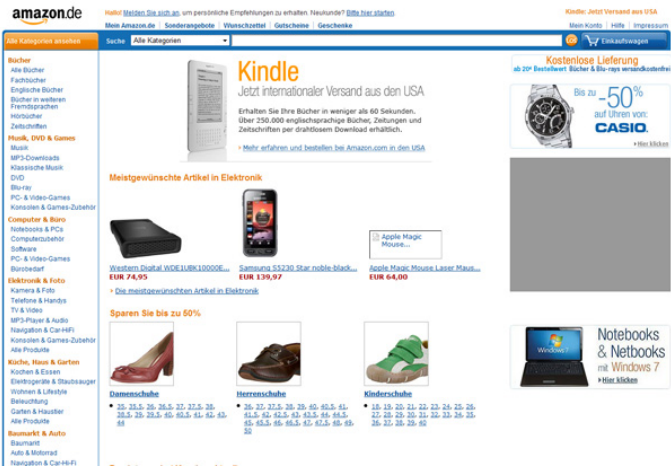
Quelle did not die because of Otto



Always looked at...



And then...



Fressnapf's business is not threatened by Garten Dehner



Always looked at...



Fressnapf's business is not threatened by Garten Dehner



Always looked at...



And then...



ProSieben is not loosing viewers to RTL



Always looked at...



ProSieben is not losing viewers to RTL



Always looked at...



And then...



So, to whom do we need to look out for?

B/S/H/



Always looked at...



So, to whom do we need to look out for?

B/S/H/



Always looked at...



And then...

??????

“so, are we undisruptible...”

Big disruptions in consumer need of storing „fresh“ food

1810: Age of cans



1860: Age of ice blocks



1920s: Age of fridges



How many can producers moved to ice blocks?
How many ice block producers moved to fridges?

Disruption?

1940



1980



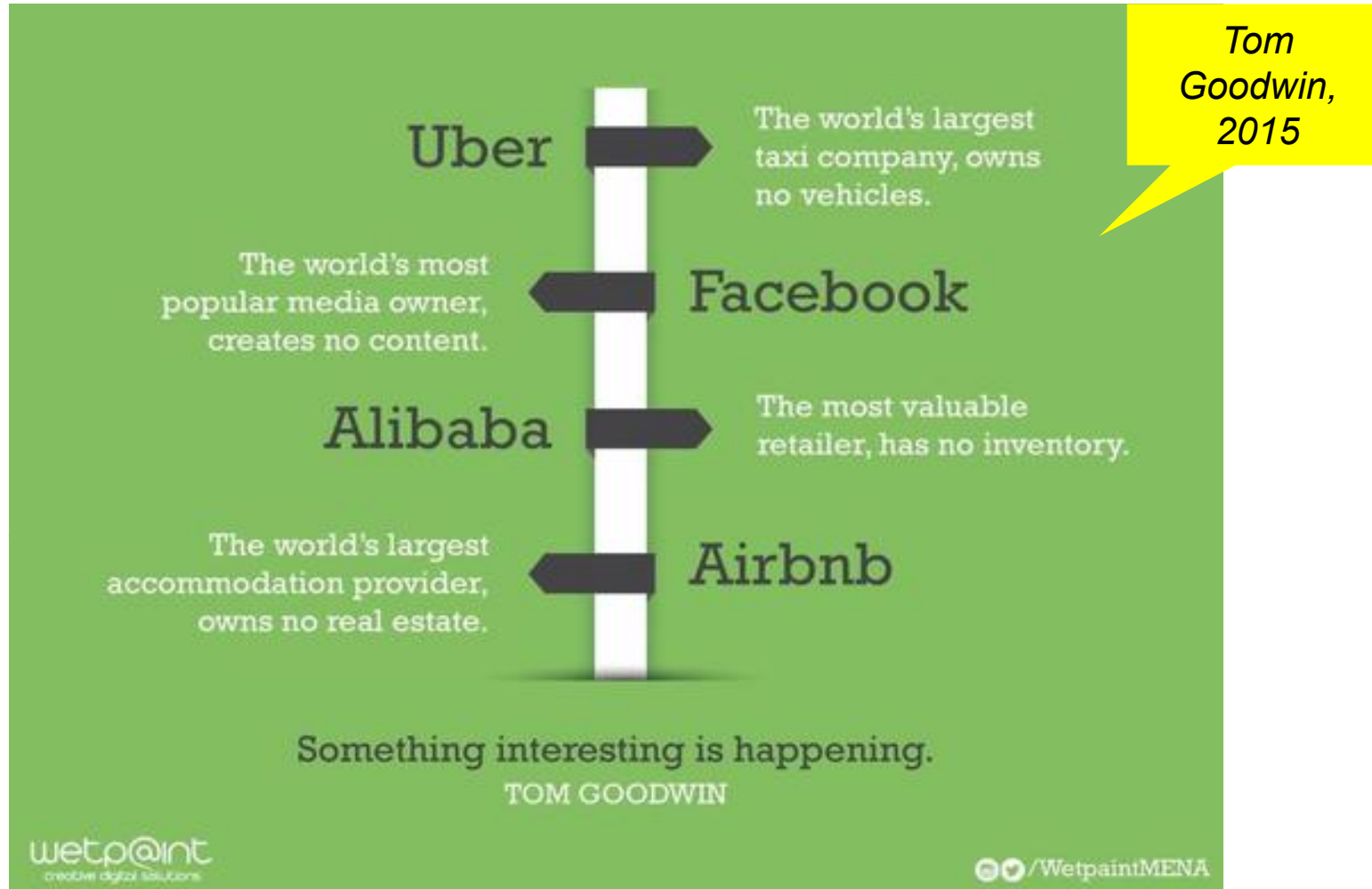
2015



This definitely would be a disruption...



So what made all the digital unicorns so disruptive?



Interestingly, something is happening...

UBER just ordered 24.000
Volvo SUVs

ALIBABA already invested
>12,2bn USD in brick&mortar
retail

DELIVEROO not only has its
own delivery fleet but also
now buys its own mass
kitchens

DIDI is currently setting up
charging network in China for
e-vehicles

AIRBNB is building its own
apartment complex in Florida

FACEBOOK is spending in
2018 >1bn USD for tv-shows
and just offered 600mn USD
for Cricket broadcasting rights

AMAZON bought Wholefoods
for 14bn USD

Interestingly, something is happening...

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DELIVEROO not only has its
own delivery fleet but also
now buys its own mass

“+Hardware” is happening to digital stars

e-vehicles

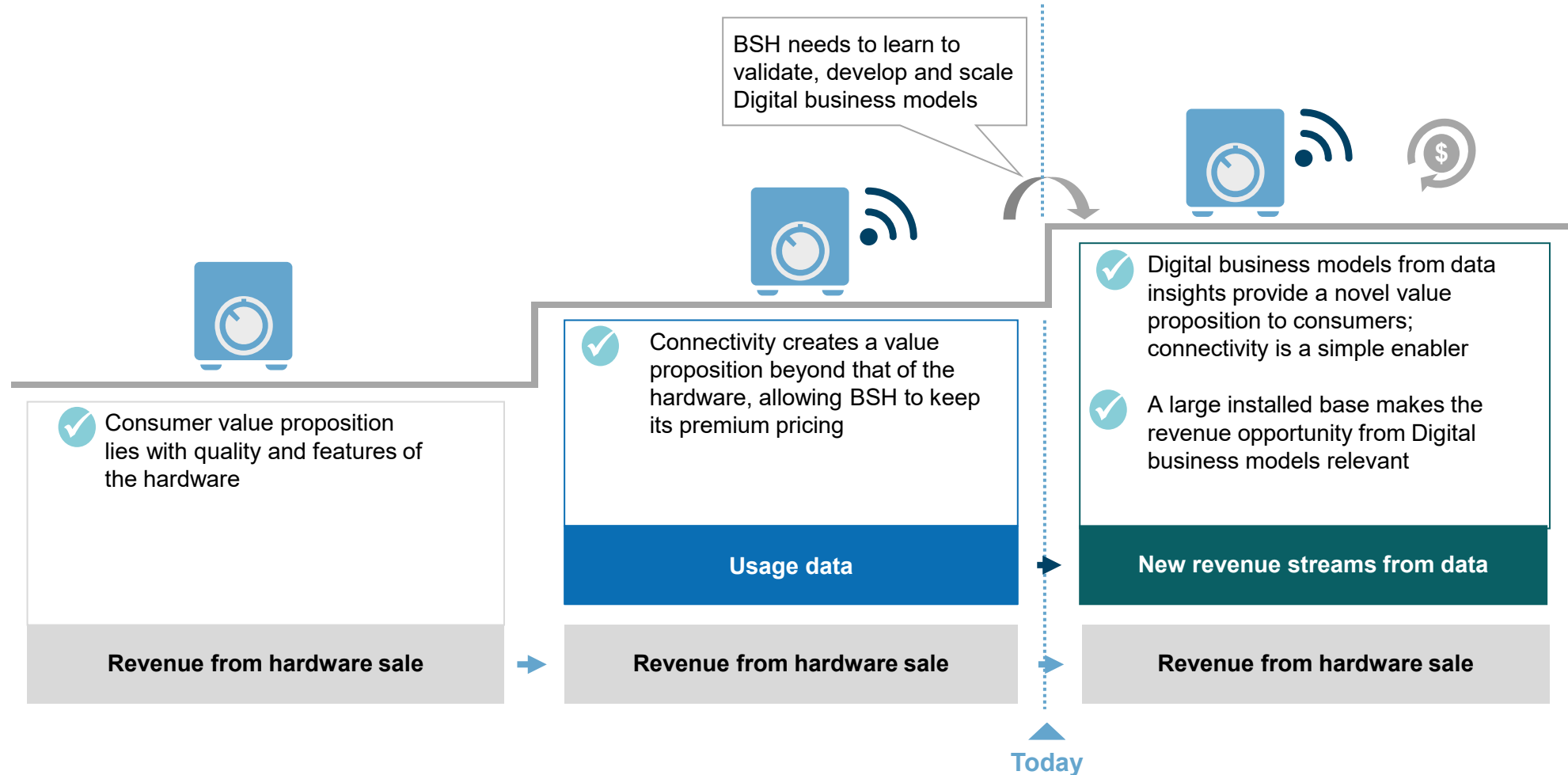
...building its own
apartment complex in Florida

FACEBOOK is spending in
2018 >1bn USD for tv-shows
and just offered 600mn USD
for Cricket broadcasting rights

AMAZON bought Wholefoods
for 14bn USD

+Hardware... that sounds very familiar....

+Hardware... that sounds very familiar....





“Companies need to develop **digital capabilities**
if they are to survive the digital revolution”

Data Driven Business Models

Content

1



Digital Transition and Change

2



„Attract Consumer“ Consumer Journey Management

3



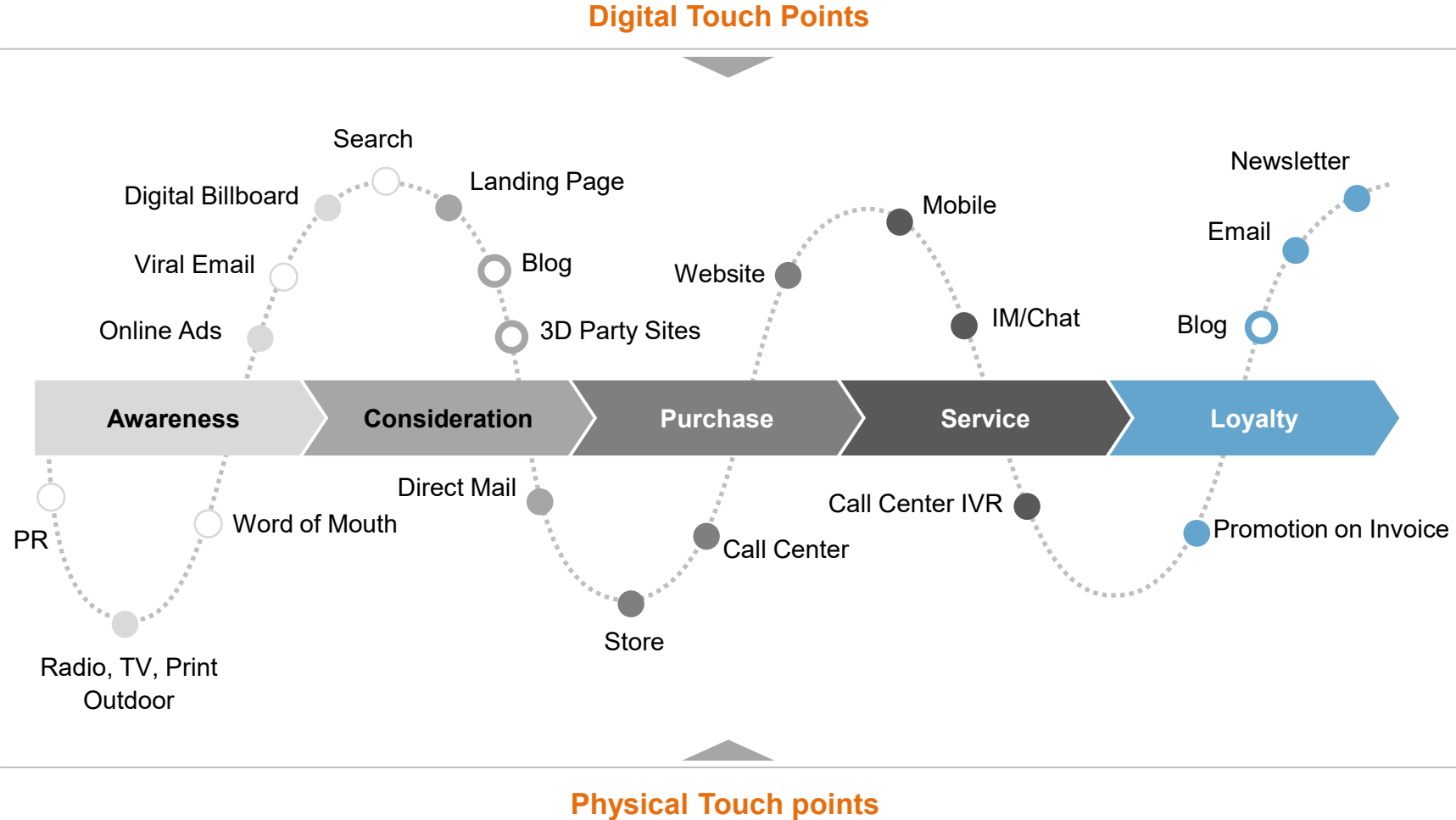
“Understand Consumer” Consumer Relationship Management

4



“Monetize Consumer” Data Driven Business Models

Consumer Experience goes digital



Objectives of Consumer Journey Management



- Evaluation of all consumer touchpoints.
- Consumer journey conceptualization and analysis.
- Formulation and measurement of conversions from one touchpoint to the next.
- Attribution of conversions at different touchpoints to marketing channels and activities.
- Evaluation of cross-channel marketing strategy due to conversion effects.
- Optimization of marketing budget allocation.
- Achieve maximum output with given resources.

Data Driven Business Models

Content

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Digital Transition and Change

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“Monetize Consumer” Data Driven Business Models

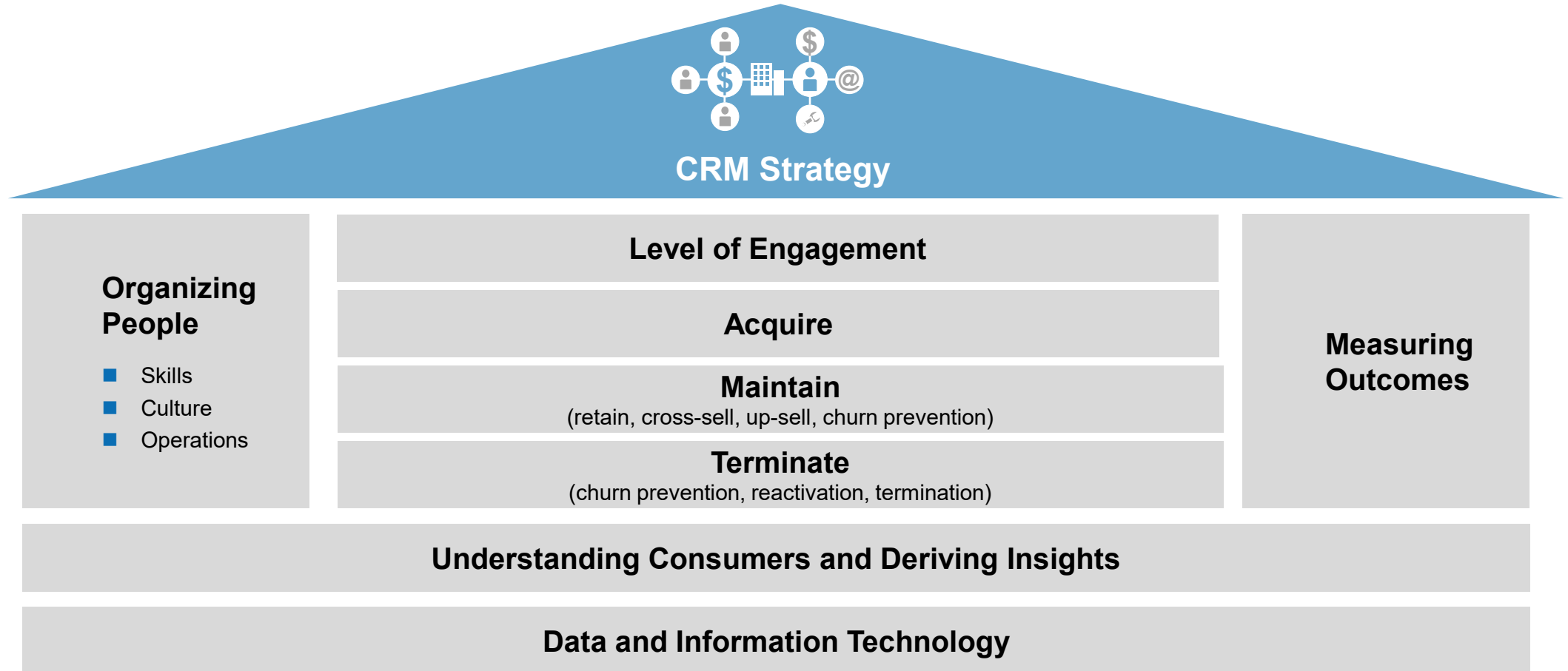
CRM in Research



- Key hypothesis:
Better relationships lead to an increase in sales and a decrease in marketing and sales costs.
- Firms possess substantial information about consumers, which are used to manage relationships.
- CRM is a process that entails the systematic and proactive management of relationships as they move from beginning (initiation) to end (termination), with execution across various consumer touchpoint.
- Specifically, firms seek to leverage consumer information in order to maximize consumer lifetime value (CLV) and the resulting consumer equity.
- In detail, firms maintain a database of consumers and prospective consumers, segmented according to various characteristics, and target different marketing activities to different segments.

Essentials Elements of CRM

The CRM house



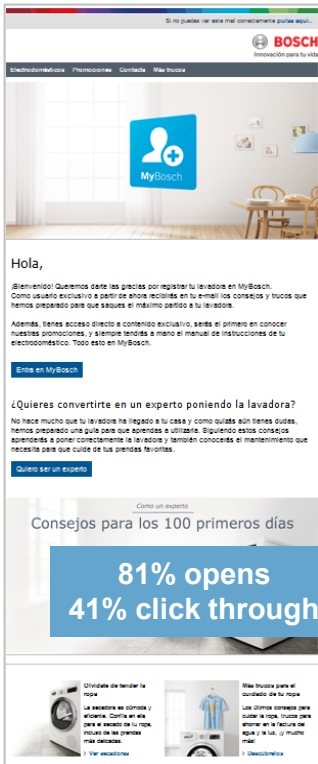
Source: Malthouse et al. (2013)

Time-triggered automatic emails after product registration in MyBosch

BSH Example

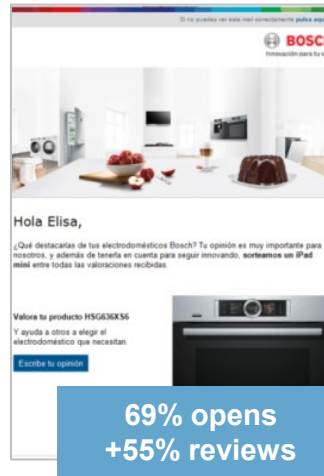
1 day

What is MyBosch



1 week

Review your product



1 month

Washing programs



3 months

Tips & tricks



6 months

Difficult stains



Time-triggered automatic emails after product registration in MyBosch

BSH Example

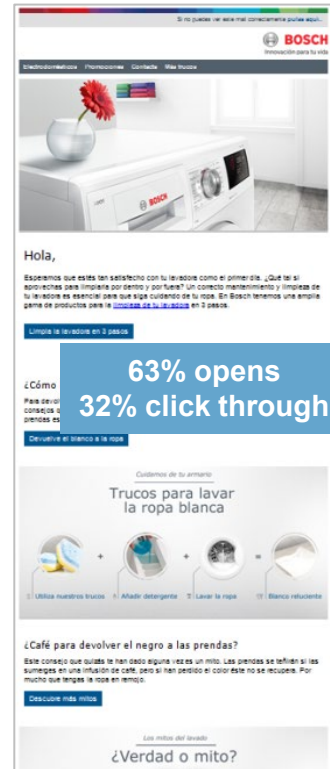
9 months

Dark garments



12 months

Anniversary



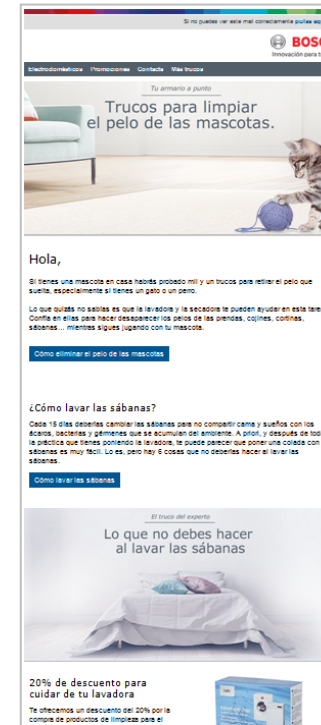
15 months

How to ...



18 months

Pets



21 months

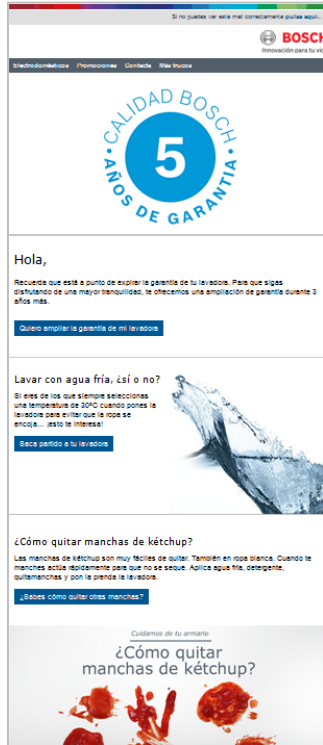
Extend your warranty



Time-triggered automatic emails after product registration in MyBosch

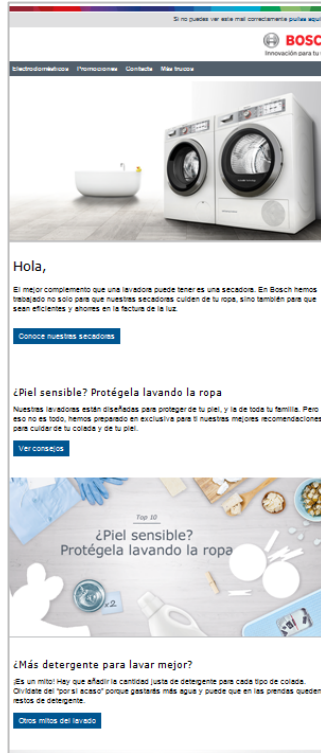
23 months

Extend your warranty



30 months

Our tumble dryers



36 months

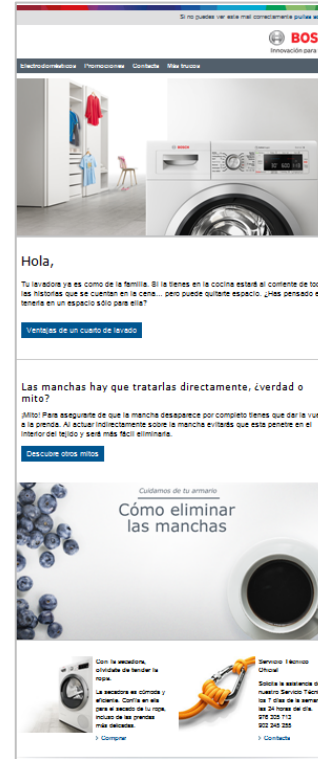
History of washing



41% opens
12% click through

42 months

Your laundry room



BSH Example

58 months

Bosch Official Service



Time-triggered automatic emails after product registration in MyBosch

BSH Example

54 months

Download your manual



66 months

Dosing with i-DOS



Data Driven Business Models

Content



Digital Transition and Change



„Attract Consumer“ Consumer Journey Management

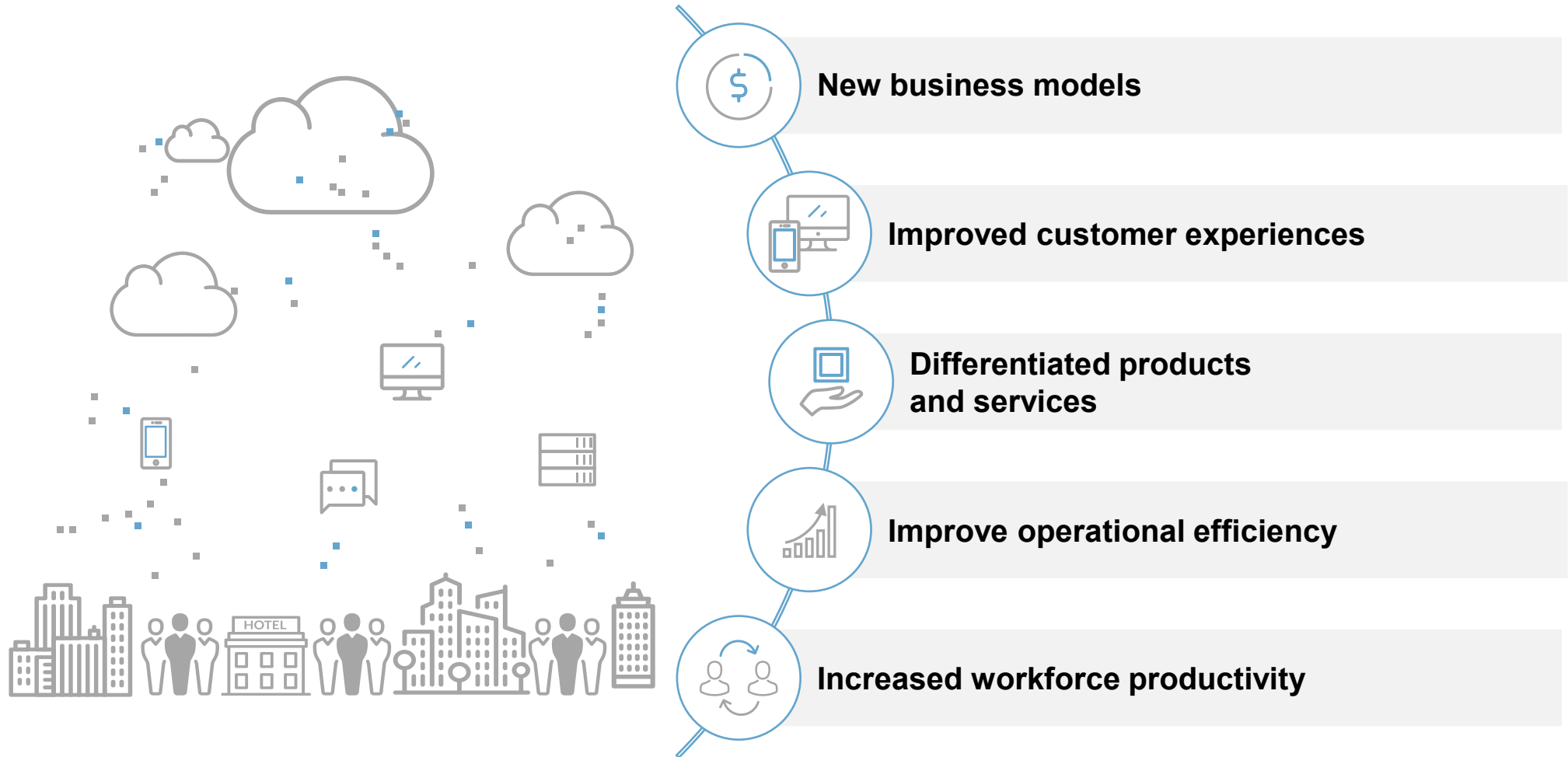


“Understand Consumer” Consumer Relationship Management

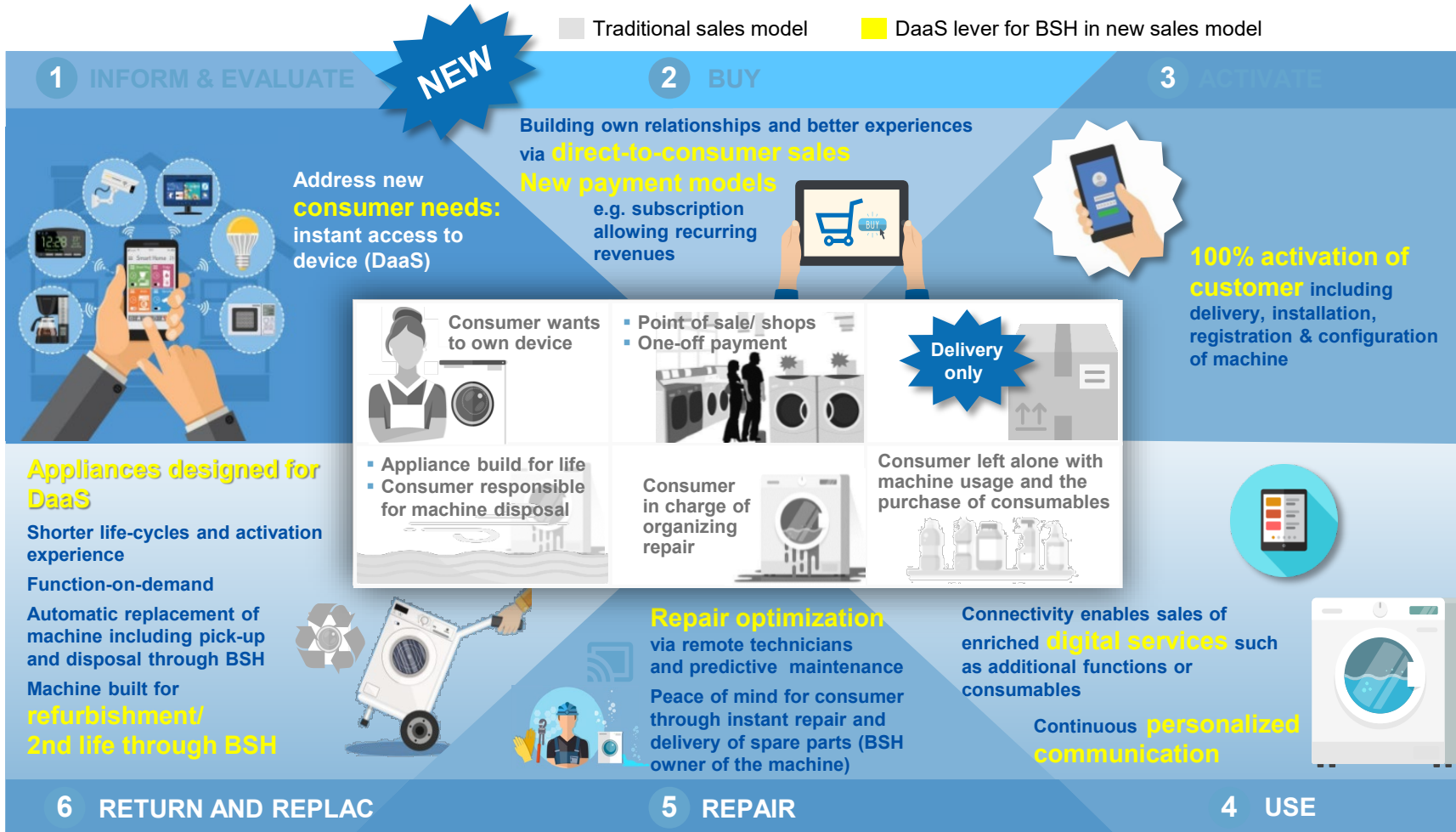


“Monetize Consumer” Data Driven Business Models

Turning Big Data to Smart Data



New ownership models have implications on the future of BSH's distribution concept





BOSCH BlueMovement proposition in NL

✓ Altijd een werkend apparaat

✓ Duurzame keuze

✓ Veilig shoppen

Uitstekend  ★ Trustpilot

 **BlueMovement**
POWERED BY BOSCH




ABONNEMENTEN









ZO WERKT HET


OVER ONS


FAQ


CONTACT











 8 kg
4 pers.

 A+++ -30%
Extra energiezuinig

 72dB
Wast heel stil

€ 9,99 per maand
€ 37,50 Eenmalige borg | Contractduur 6+ jaar

Toevoegen aan Winkelwagen

Duurzame Bosch wasmachines

Kies uit de meest energiezuinige wasmachines. Refurbished of nieuw. Goed voor het milieu en je portemonnee. Welke kies jij?


Refurbished

Nieuw

Deze wasmachine is dan wel niet nieuw, maar zeker geen tweedehandsje. Dit apparaat is volledig nagekeken door onze Bosch professionals. Zo haal jij extra voordelig hoge kwaliteit in huis. En wij zorgen dat je altijd een werkend product hebt.

Daarom Refurbished

- ✓ Voordeligste keuze
- ✓ Hoge kwaliteit
- ✓ Extra duurzaam

**Niet goed? Geld terug!**

Probeer je abonnement 30 dagen uit. Niet tevreden? Dan krijg je meteen je geld terug en kun je het abonnement kosteloos

Washing machine

Dryer

Fridge

Freezer

Dishwasher

Cooking machine

Vacuum cleaner

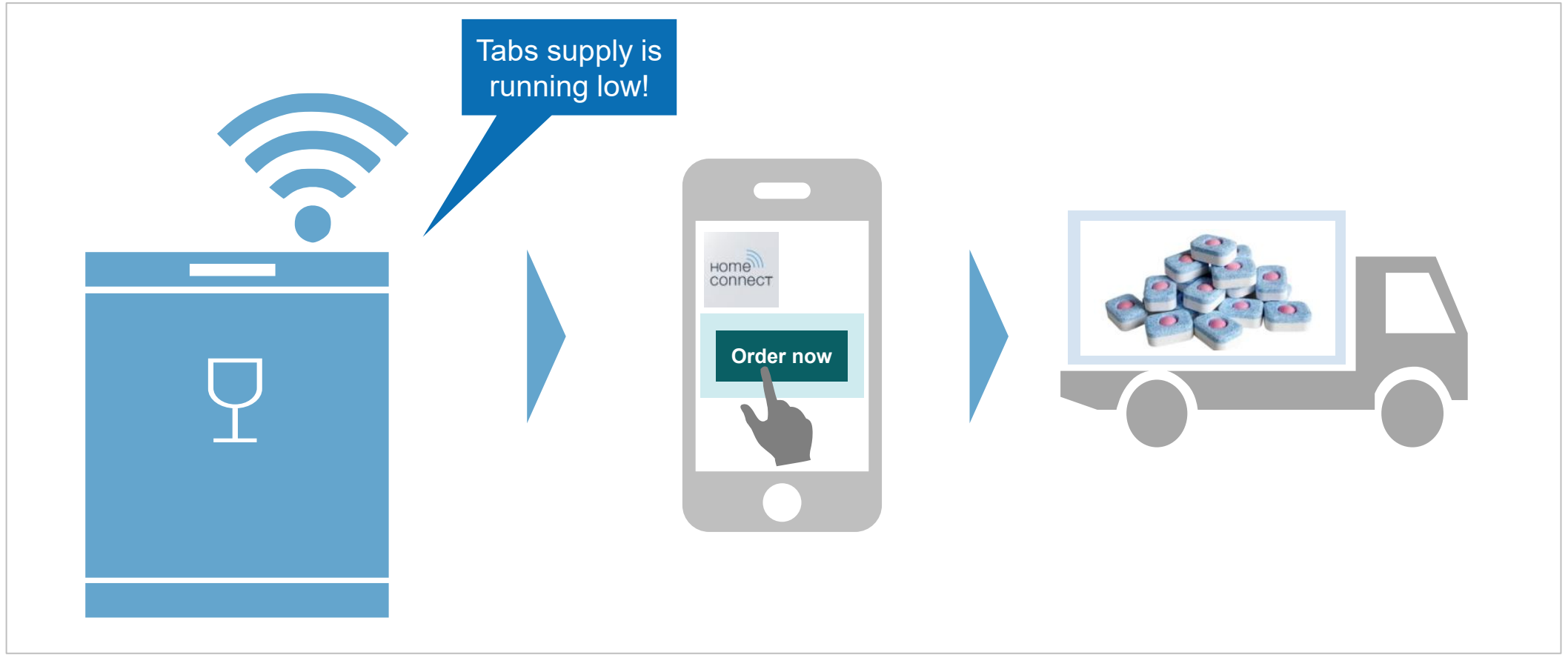
Smart Grow

Source: BSH NL

2020-11-12 Präsentationstitel

B/S/H/

Home Connect will offer users new comfortable ways to supply with consumables for home appliances



Predictive Maintenance PoC

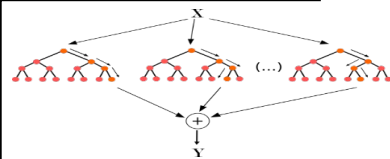
Task

Use HC Analytics data to predict pump errors in connected washing machines 2 days before they happen

Approach

Utilize information on program use, status, total appliance runtime, appliance age etc.

Ensemble Machine Learning was used to find the best collection of decision trees



Result

Errors can be **successfully predicted** with reasonable accuracy **IF we have error data!**

Yet, most of the times we do not receive this data from field appliances

Now working together with PCS, GED and PXX to **define SystemMaster logging payload**

B/S/H/

