

Digital Realities in Production

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Digital Factory



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OUR JOURNEY
DIGITAL REALITIES IN PRODUCTION

April 2016
**Hannover Messe multi-user VR
showcase for logistics**

„We at Volkswagen Group
believe that Virtual Reality will
help us to successfully master
the challenges arise “

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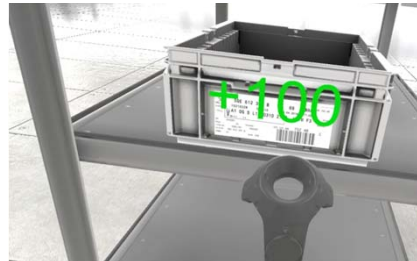
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OUR JOURNEY DIGITAL REALITIES IN PRODUCTION



April 2016

Hannover Messe Multi-user
VR showcase for logistics



October 2016

Proof of concept for VR
training in logistics



November 2016

Innovation Award (VW)
Smart Factory Award (Audi)



Tobias Ruprecht
Logistics Employee

January 2017

First VR Trainings used by
VW and Audi logistics
employees



April 2017

eLogistic Award



July 2017

Live-Demo of the Innoactive
Hub platform on stage at
Digility 2017



September 2018

Audi uses Innoactive solution
to create VR training
modules at scale



Begin of 2019

VR training used for high
voltage training of e-cars

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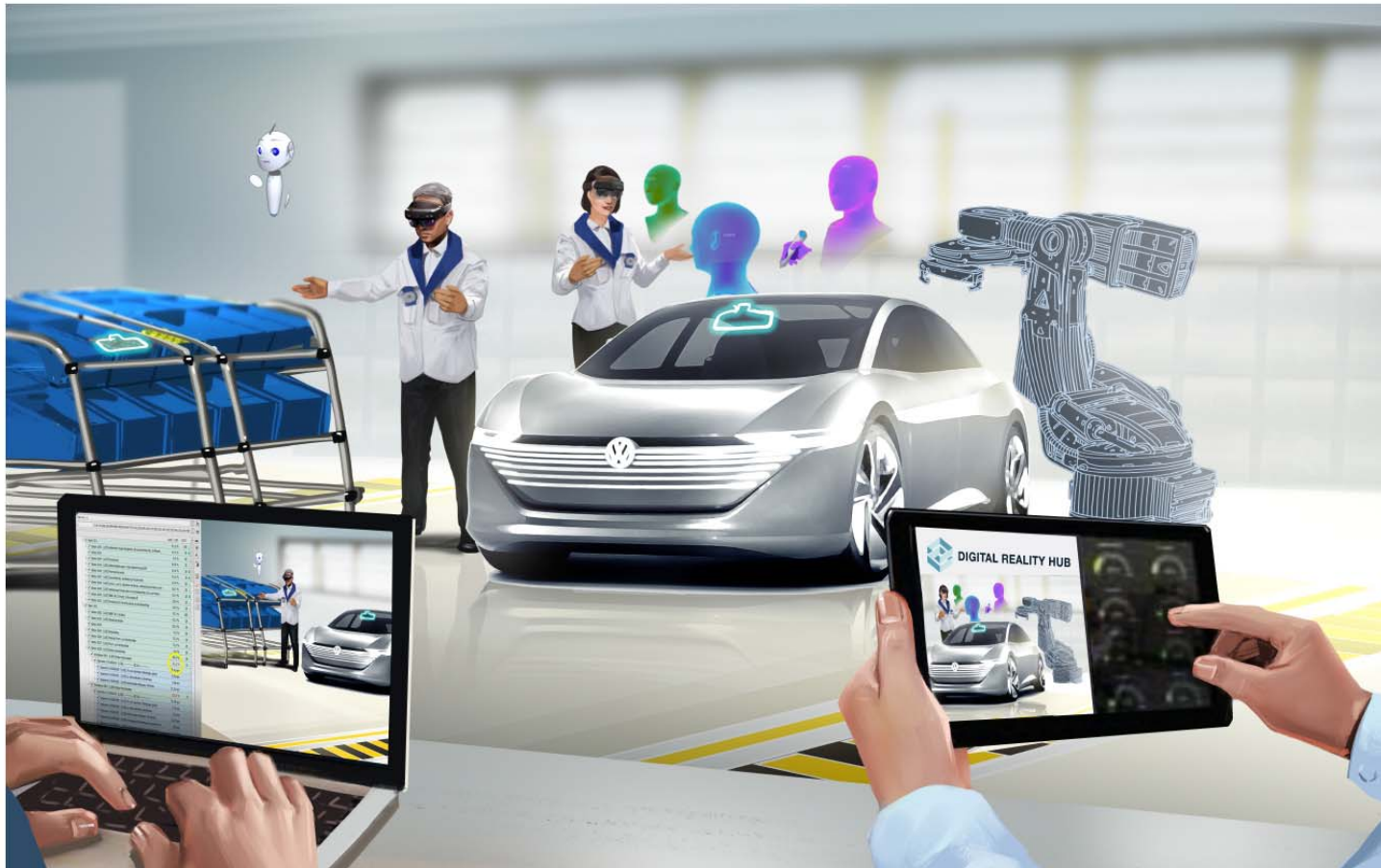
OUR VISION FOR THE VOLKSWAGEN GROUP FOCUS TODAY: PRODUCTION & TRAINING



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DIGITAL REALITIES IN PRODUCTION



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VIRTUAL 3P (Production, Preparation, Process) PROCESS SIMULATION TO BUILD OUR CARS MOST EFFICIENTLY

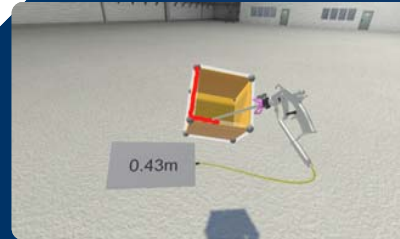
Yesterday



Tomorrow



3P



Cost reduction using
VR prototypes



Virtual workshops
save travel time
and improve
work-life-balance



Accessible
independent of
location and time



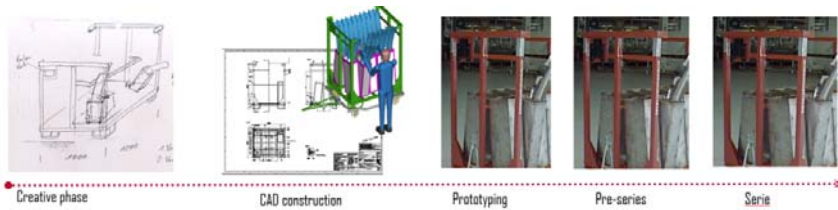
Follow-up usage of
results for employee
qualification

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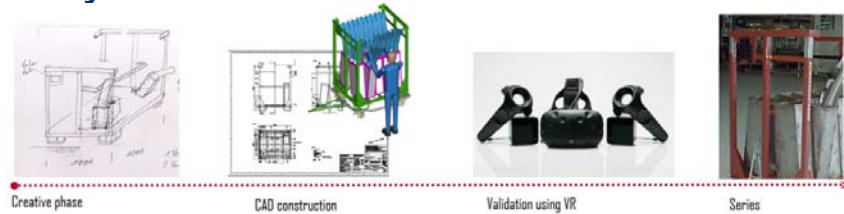
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VIRTUAL CONTAINER PLANNING

Yesterday



Today



Virtual workshops
save travel time
and improve
work-life-balance



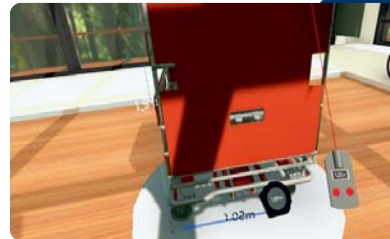
Cost reduction using
VR prototypes



Accessible
independent of
location and time



Follow-up usage of
results for employee
qualification



Lead Audi

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DIGITAL REALITIES IN TRAINING



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VIRTUAL TRAININGS

CROSS-OVER EDUCATION PLATFORM FOR THE GROUP

Virtual training can produce significant time and cost savings while improving the overall productivity of the Volkswagen workforce.



**Early
instructions**



**Easy to
customize
for global
rollout**



**Minimization of
errors through
targeted training
of key points**



**Reduction of space
and equipment**



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HIGH VOLTAGE TRAINING VW E-GOLF

Employees and customers can experience and get in touch with high voltage components of a VW e-Golf inside our plant in Dresden.

Aims:

- To inspire our workforce and customers for eMobility and the VW eGolf
- To show the technical relations between the different components in a way only VR can



To show details that can only be experienced by using VR



Reduction of training costs



Test your knowledge



Global rollout

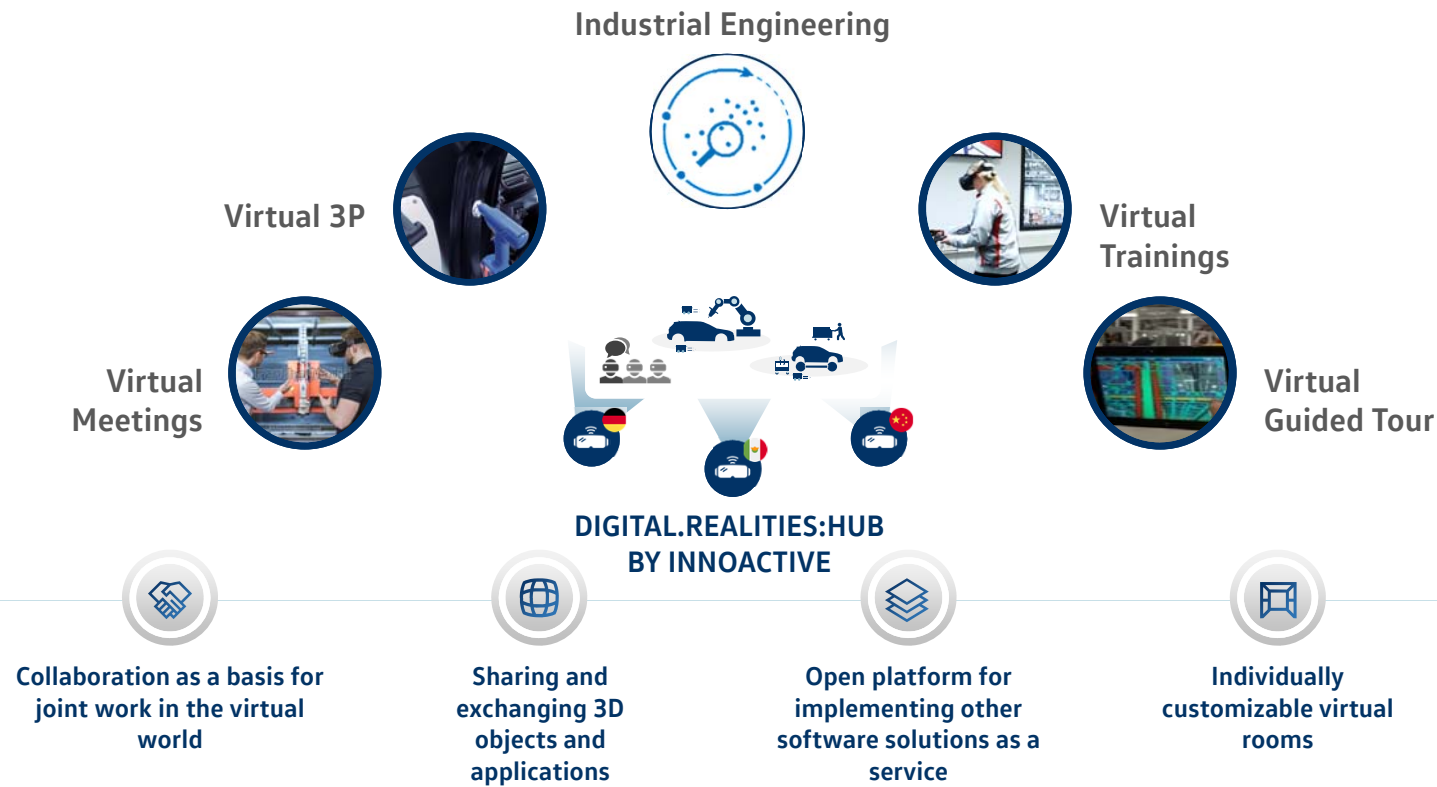


Lead VW
"Digitale Bilder Fabrik"

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DIGITAL.REALITIES:HUB - THE GROUP PLATFORM FOR VR / AR APPLICATIONS CENTRALISING ALL APPLICATIONS ON ONE PLATFORM



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**THANK
YOU**