



Introduction project “Production 5+1”

Status September 2015

Produktion 5+1, Group Productions Systems

Dortmund, September 29th 2015

Organization and Mission

Our Mission:

- ...
- Orchestrating the **global network** of production sites to utilize their strengths and to **identify synergies** for the best benefit of the Wilo group
- Boosting the **lean thinking of WPS** and embedding it into the DNA of Wilo's organization
- Achievement of a breakthrough improvement to be able to establish a **state-of-the-art factory in Dortmund** which should be recognized as an **industry benchmark**
- ...

Built in the twentieth century, today the Factory is at the end of usability



***Investment into
Wilo Campus,
a clear commitment
to Dortmund***

Best in class production for best in class products – the Smart Factory

Top Assumptions of Executive Board

- We want to produce the best products
- We want to realize best in class production and logistic processes
 - “State of the art factory”
- We want a massive improvement of working conditions
 - “Future Workplace”
- We want to be Industry 4.0 ready



4 Dimensions – Key messages

Scalability

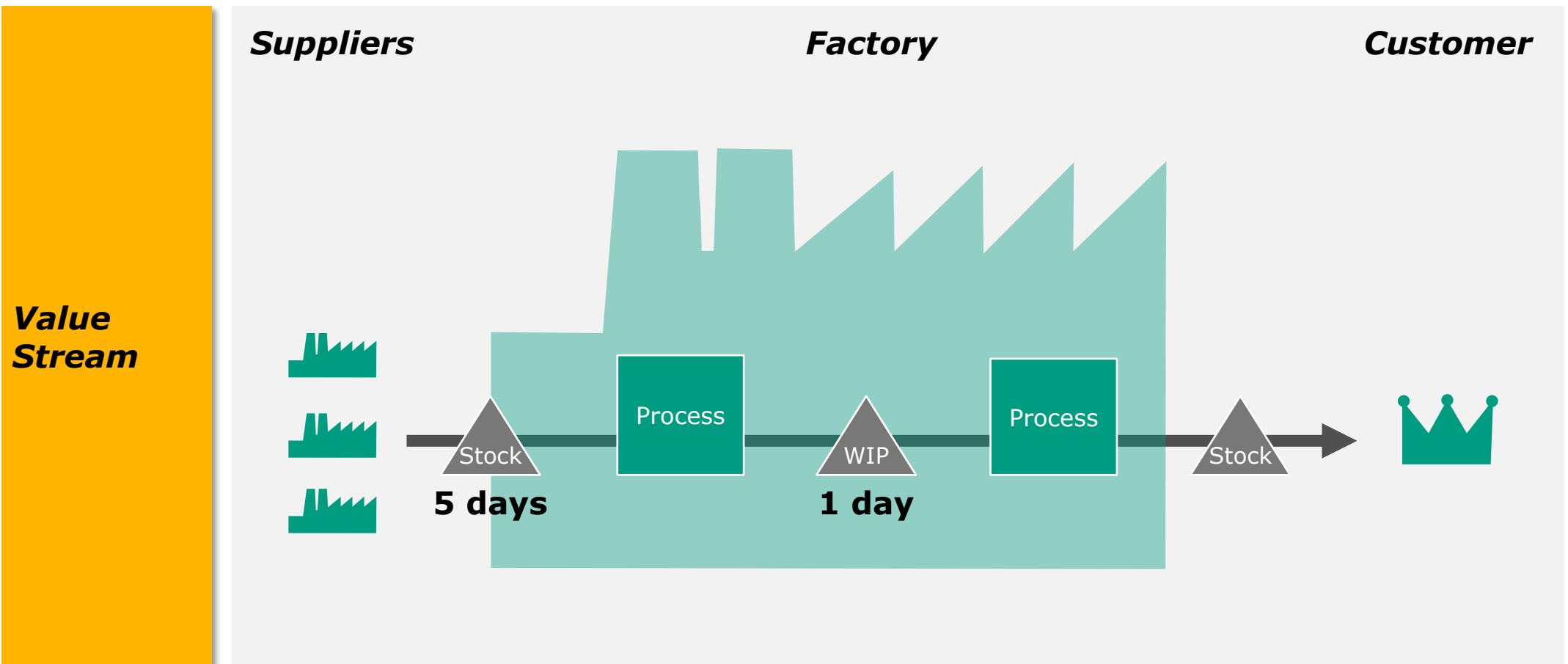
Flexibility

Efficiency

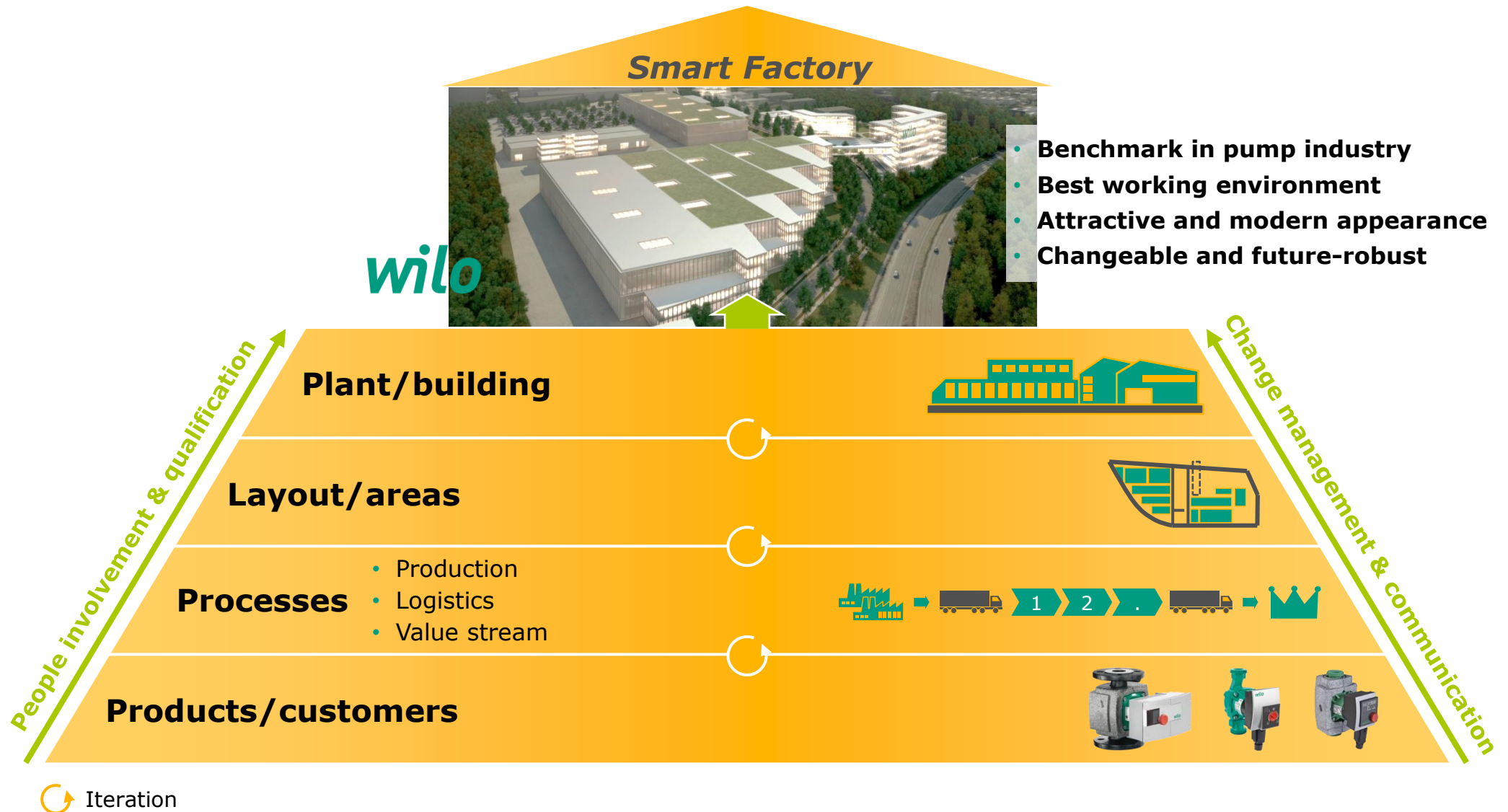
**Trans-
parency**

- Realize a short through-put time as a precondition
- Guarantee high flexibility within production and logistics
- Realize a layout with a straight material flow and transparency of production status
- Respect current Health and Safety Environment standards
- Realize an attractive and modern factory appearance

Production 5+1 – Wilo “Factory of the Future” with “Processes of the Future”



Pioneering ... the Factory of the Future – the approach



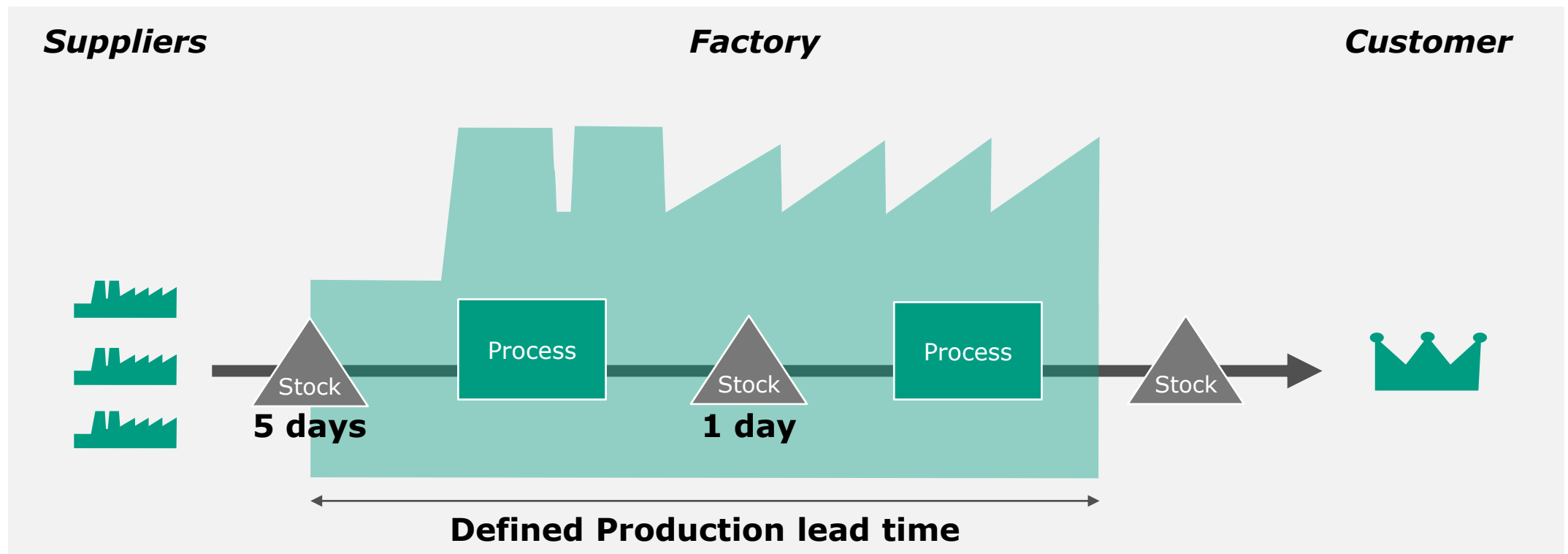
The Production 5+1-Vision includes a future workplace, transparency and efficiency and is Industry 4.0-ready

Future
Workplace

Transparency

Efficiency

Industry 4.0-
ready



The Production 5+1-Vision includes a future workplace, transparency and efficiency and is Industry 4.0-ready

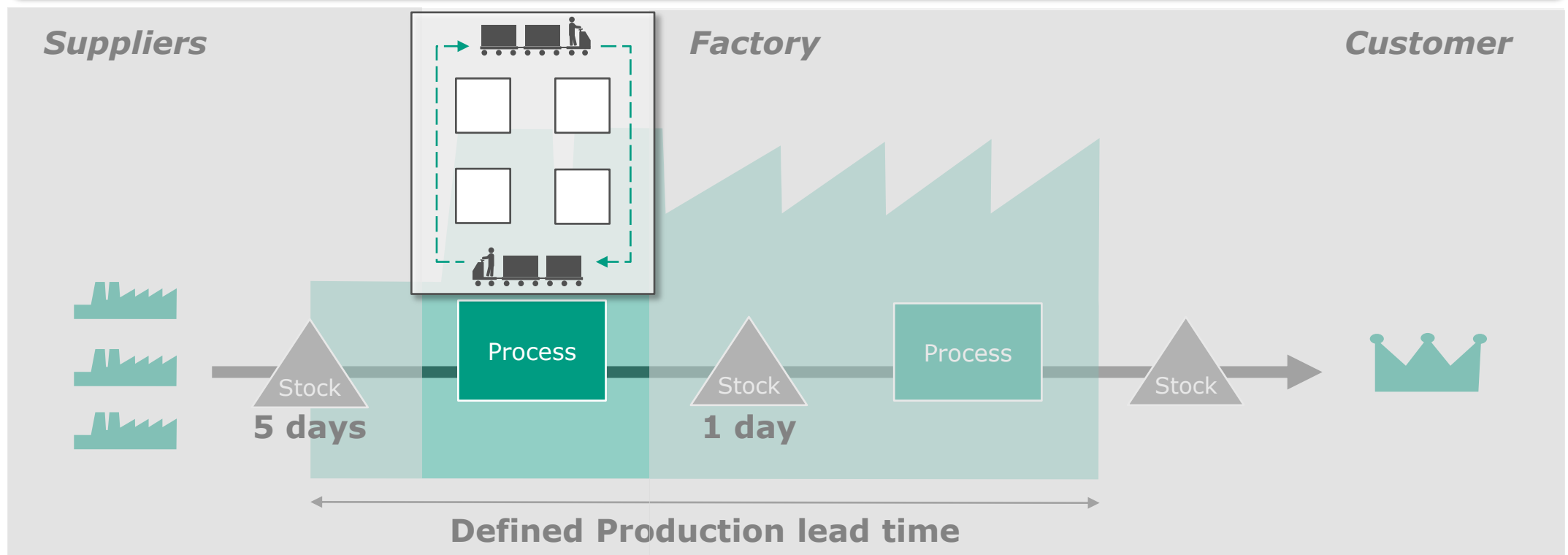
**Future
Workplace**

Transparency

Efficiency

Industry 4.0-
ready

Health and Safety Environment (HSE) standards



The Production 5+1-Vision includes a future workplace, transparency and efficiency and is Industry 4.0-ready

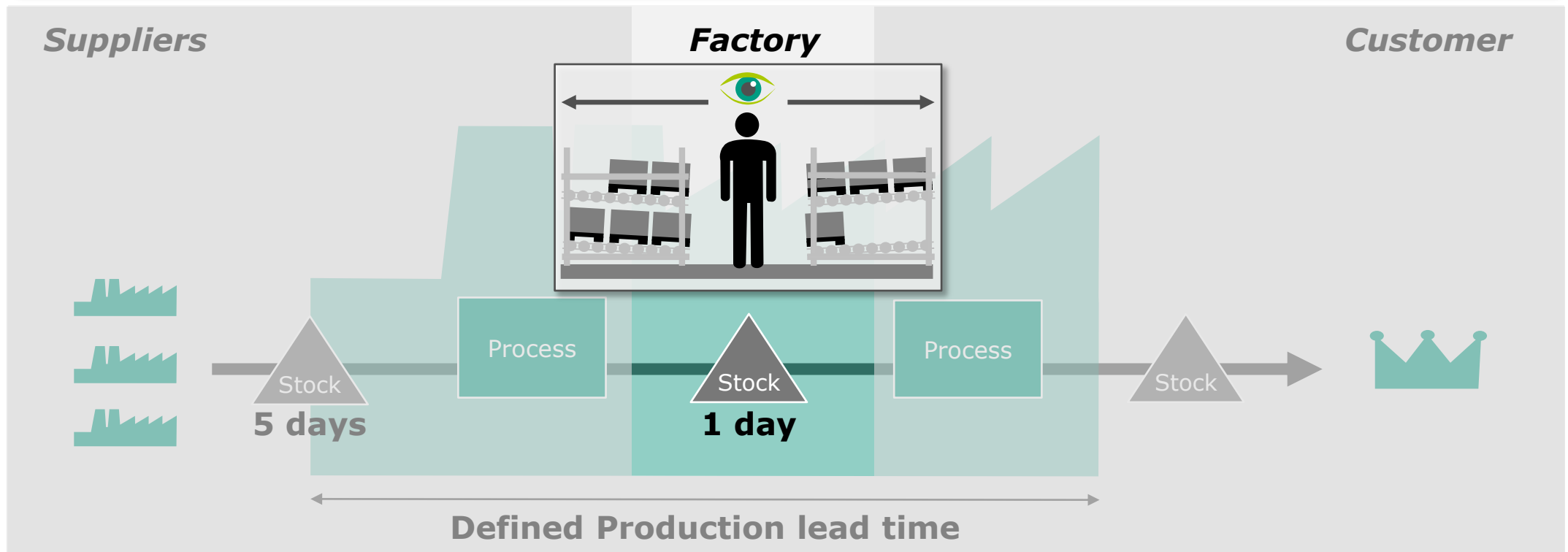
Future Workplace

Transparency

Efficiency

Industry 4.0-
ready

**Quality, defined minimum stock levels,
value adding and non-value adding processes are separated**



The Production 5+1-Vision includes a future workplace, transparency and efficiency and is Industry 4.0-ready

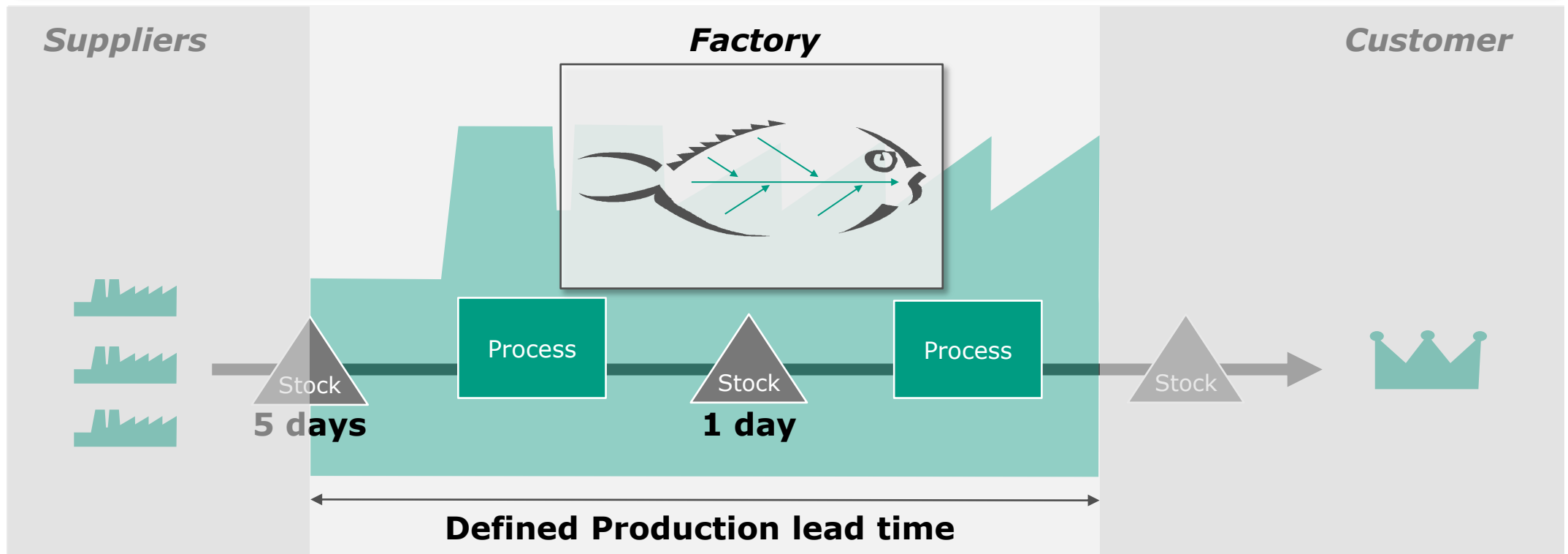
Future Workplace

Transparency

Efficiency

Industry 4.0-ready

Value Stream orientation, defined production lead time, synchronized process steps



The Production 5+1-Vision includes a future workplace, transparency and efficiency and is Industry 4.0-ready

Future Workplace

Transparency

Efficiency

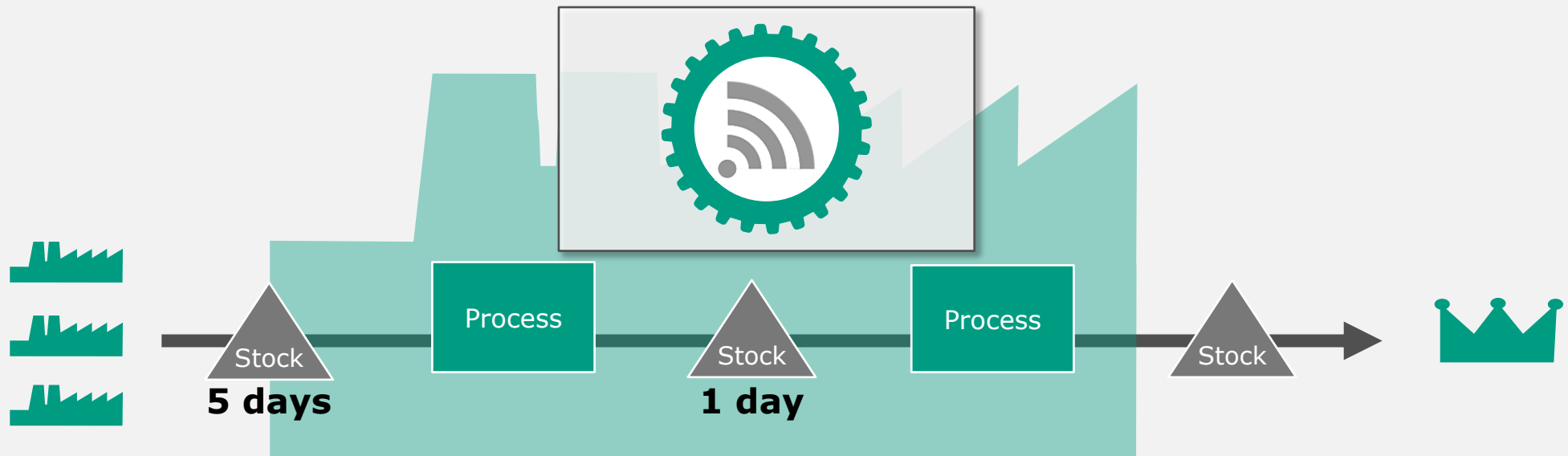
Industry 4.0-
ready

Ability to react on customer demand, individual product customization

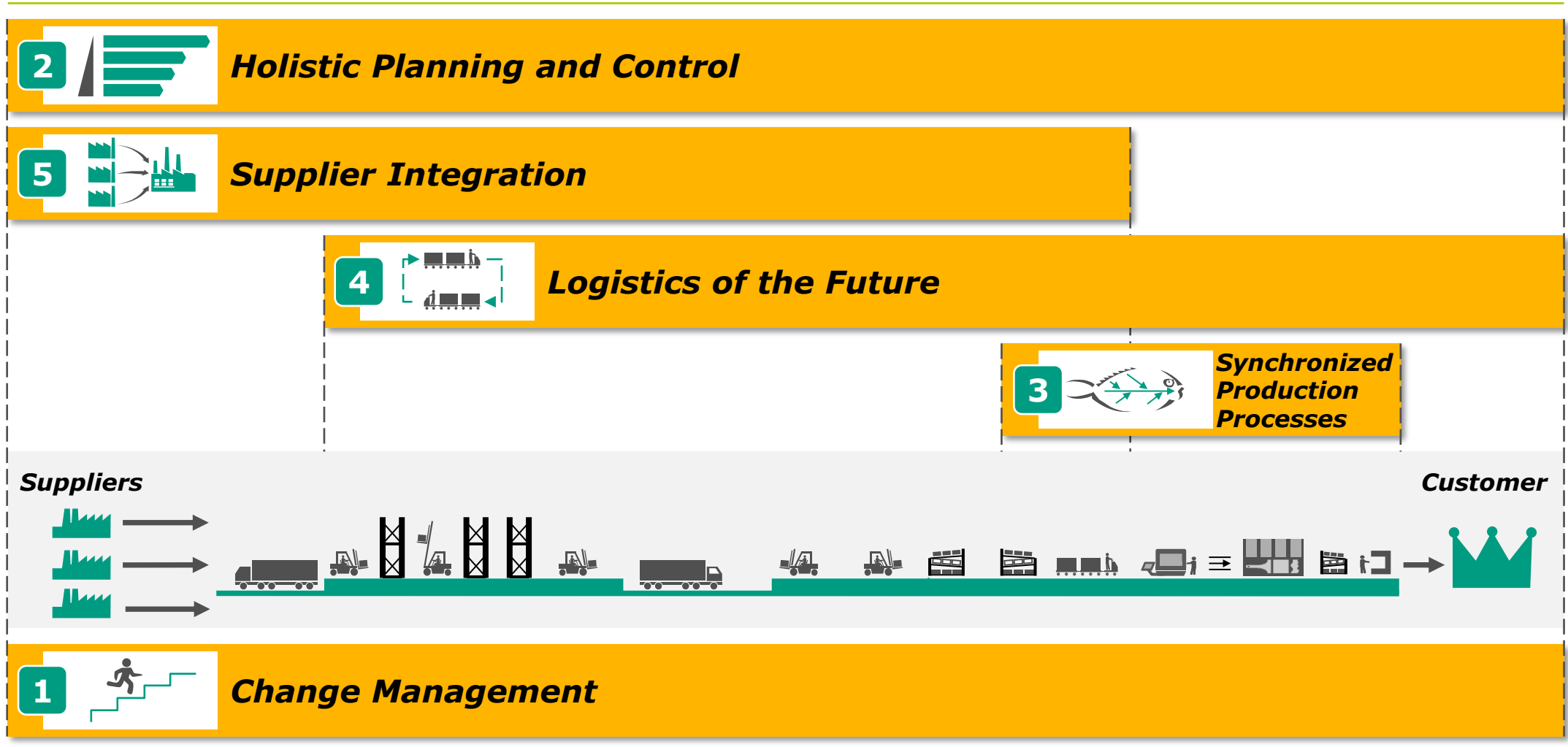
Suppliers

Factory

Customer

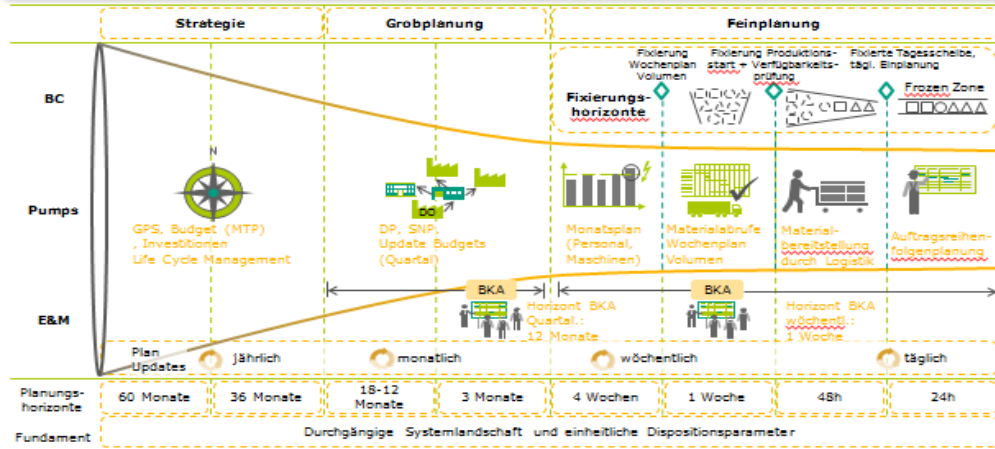


A systematic Change Approach involves people and processes

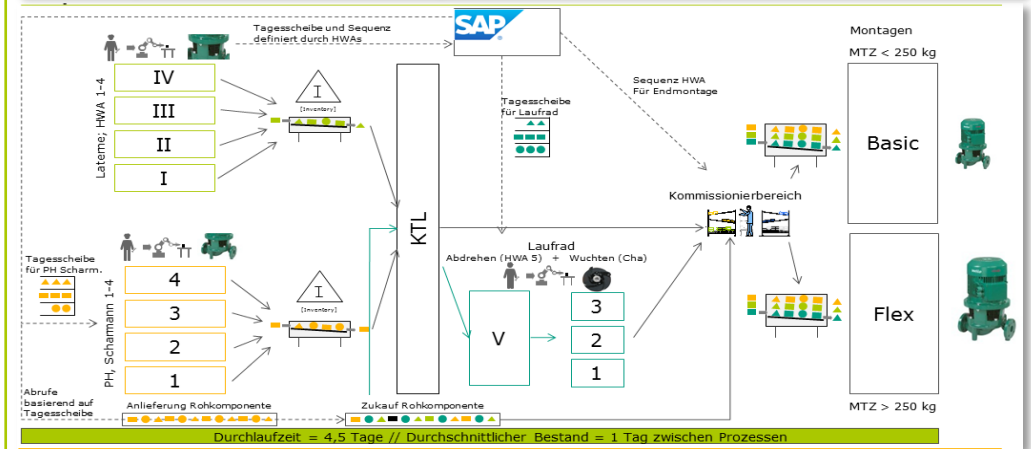


Base of Production 5+1 are Process-Visions for all relevant areas

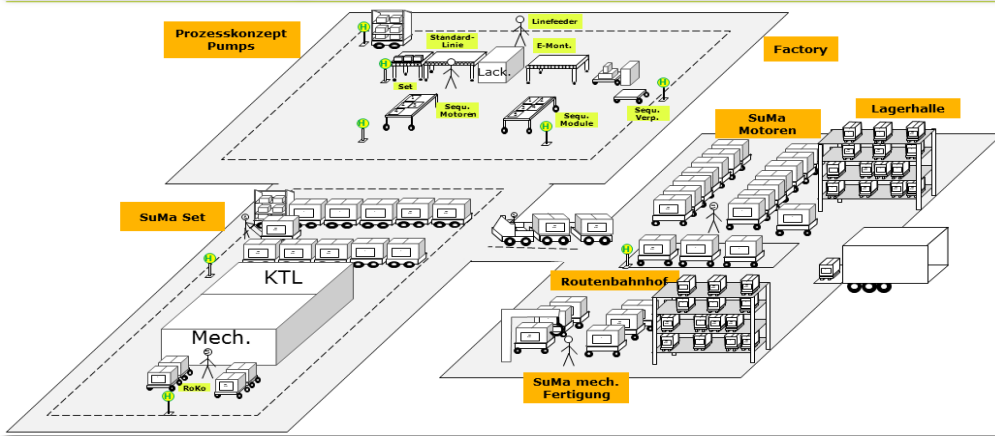
Holistic Planning and Control



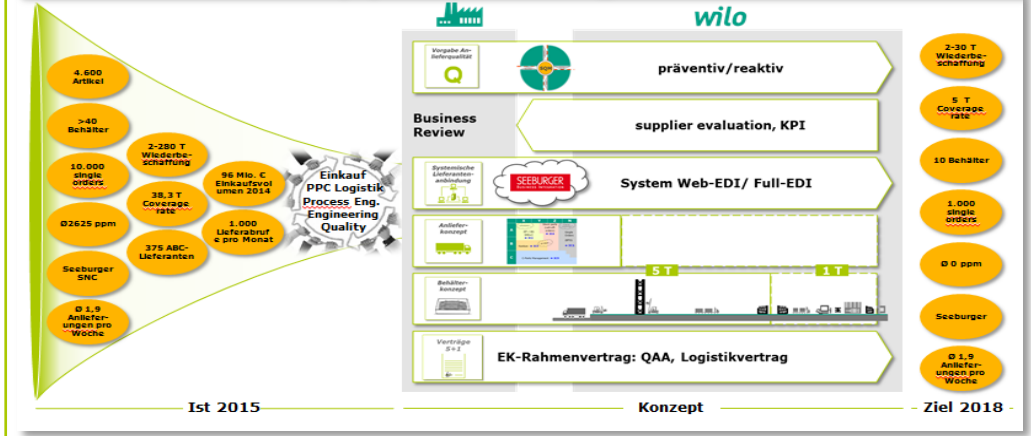
Synchronized production processes



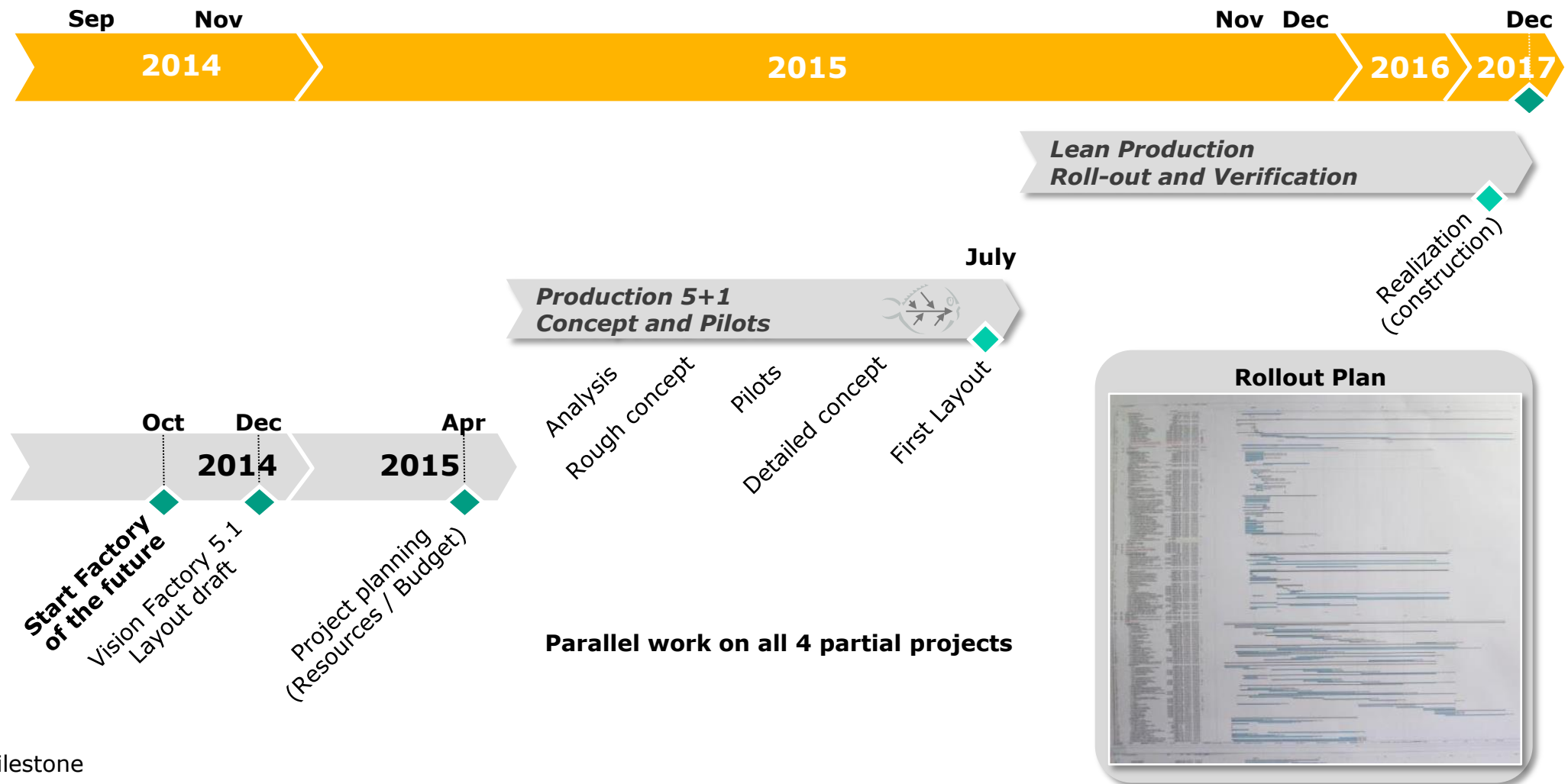
Logistics of the Future



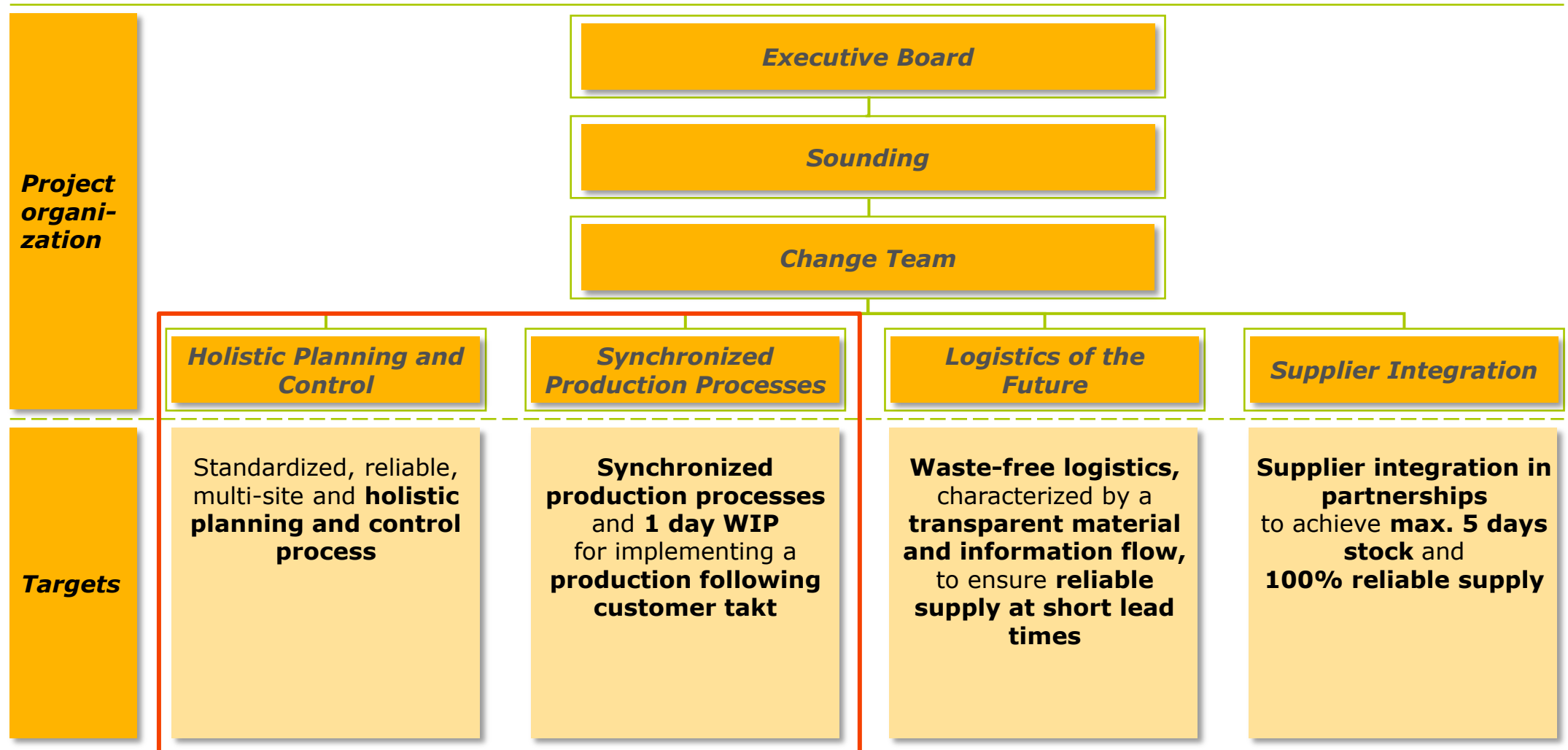
Supplier Integration



The timeline of the project “Production 5+1” is defined – a detailed Rollout Plan supports all activities



The project “Production 5+1” has a defined project-organization and clear targets per sub-project



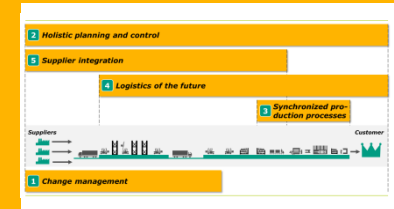
8 Factors secure the success of the project "Production 5+1"



Leadership and willingness to change

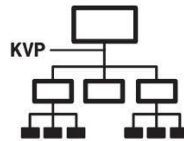


Process Vision



- 1 project lead reporting up to EB
- 4 partial projects
- ~40 core team members
- ~160 team members

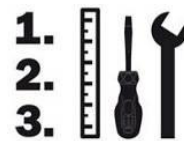
Project organization



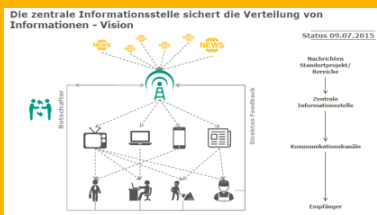
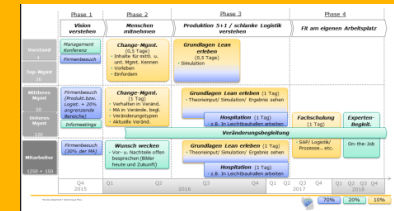
Workshop/ Project Plan



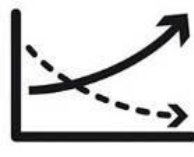
Methods/Tools



Training



Communication



Key Performance Indicators





Thank you for your attention!!