

A new way of education for Industry 4.0 and IoT

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- Changes by 4th Industrial Revolution and the Internet of things
- Necessary competences for workers in a digital society
- How to train for Industry 4.0 and IoT

Main changes in workplaces and processes

Destandardization

Delinearization

Dematerialization

Dehierarchization

Despecialization

Delocalization

Necessary competence facets for workers in the 4th Industrial Revolution

Professional

Organizational

Cultural

Leadership

Methodological

Interaction

Social

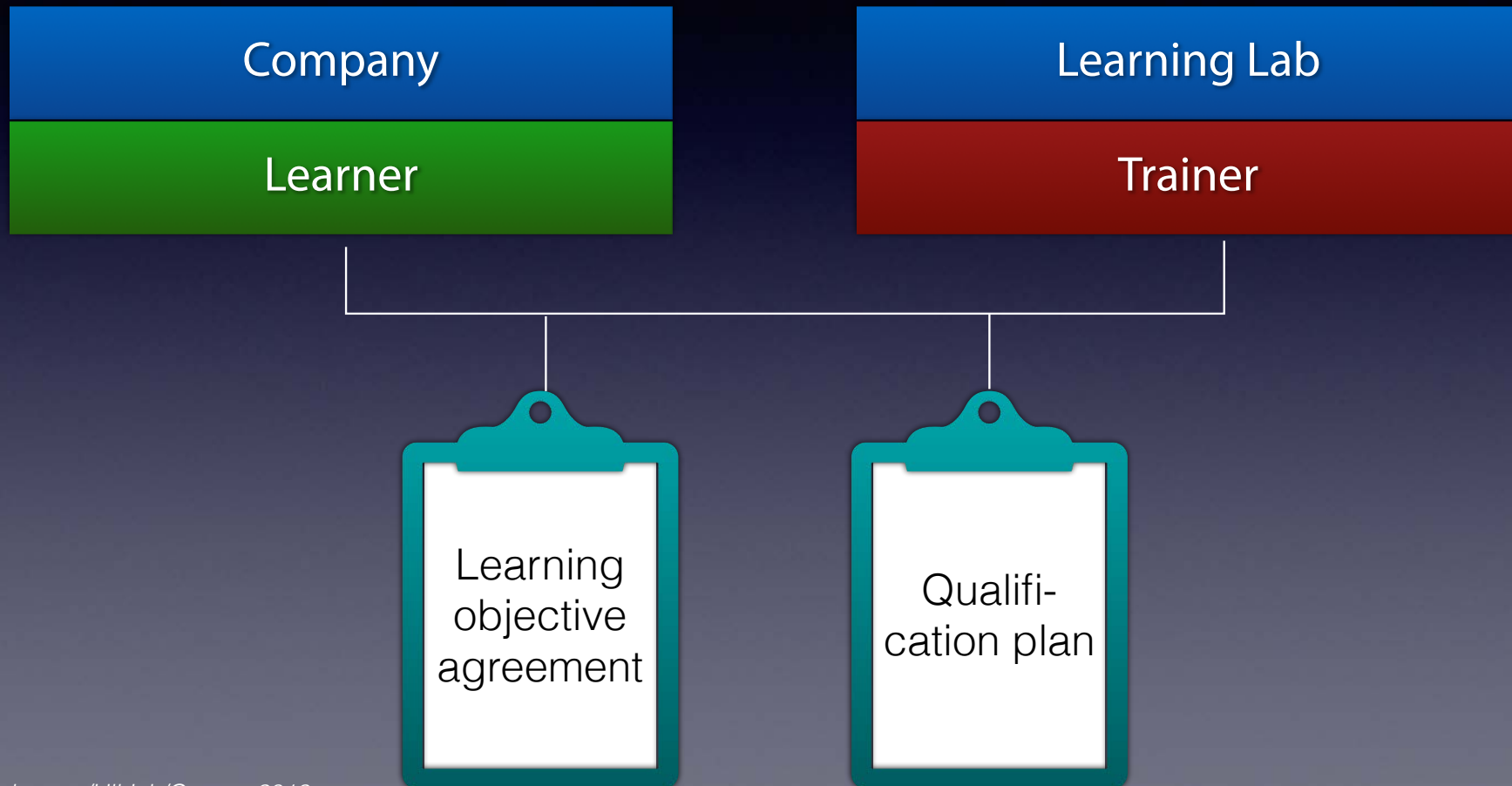
Process

Personal

Main requirements for trainings

- Focused on the individual
 - Near or in the actual work process
 - Oriented on achieving a learning objective
- ➔ We developed a mixed approach for 4IR/loT trainings

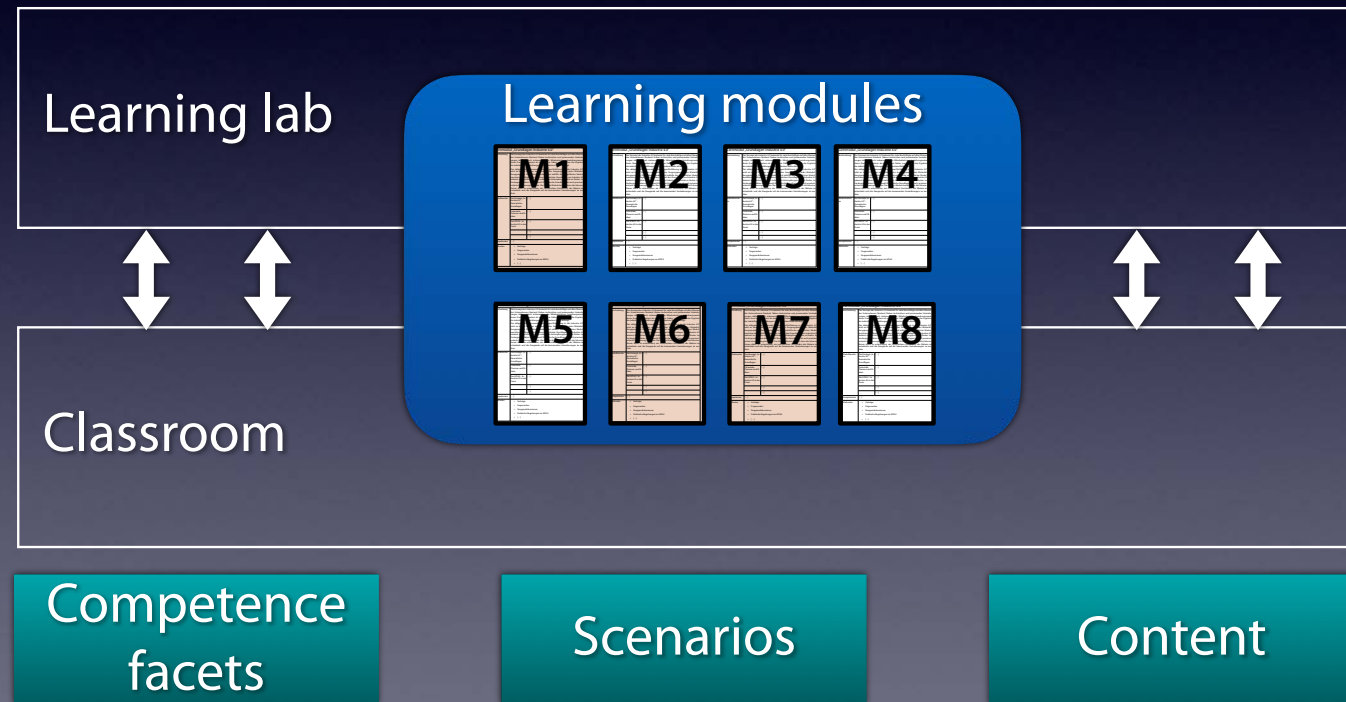
Phase 1: Work in the company



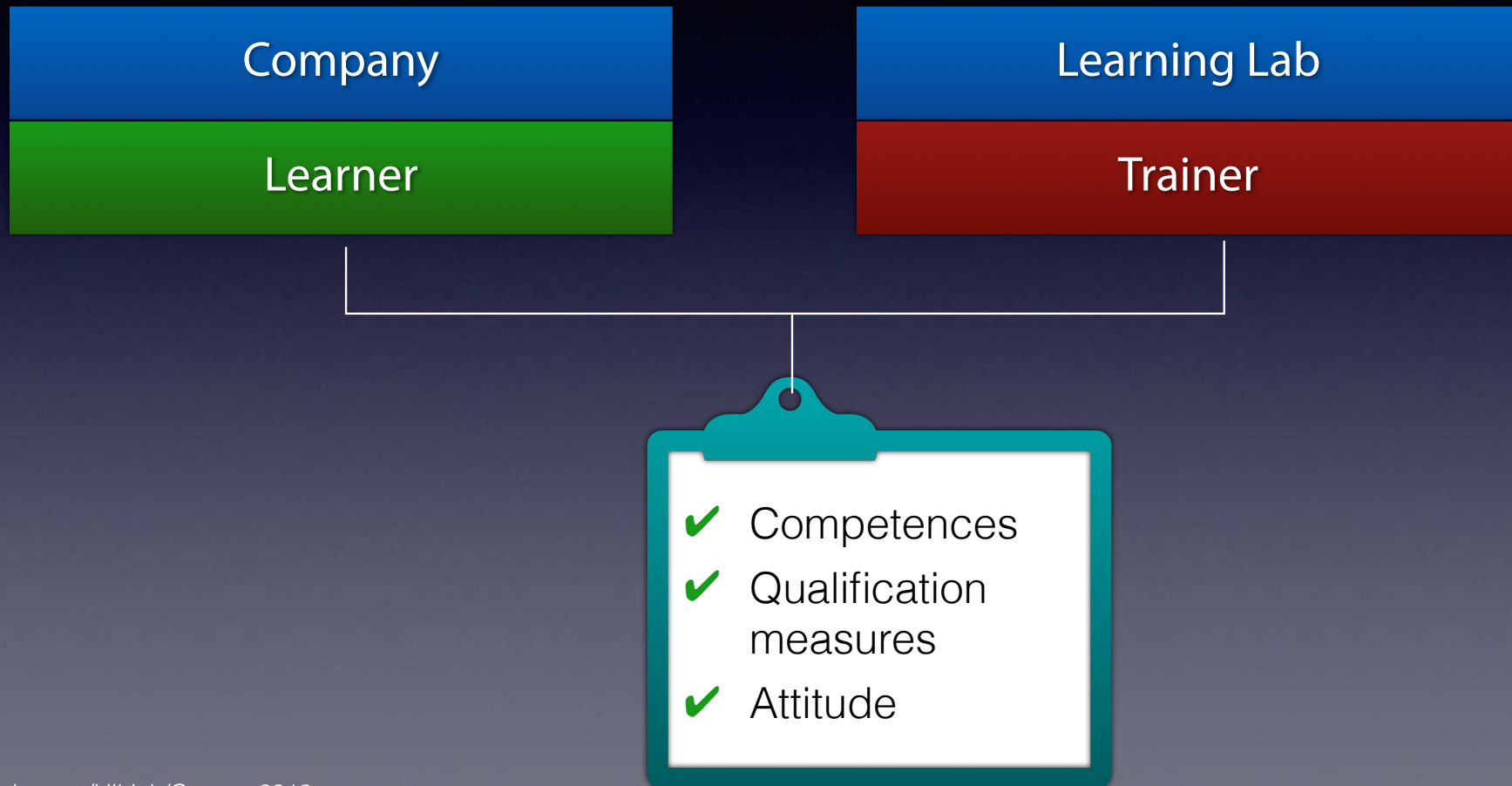
Phase 2: Group work in the learning lab

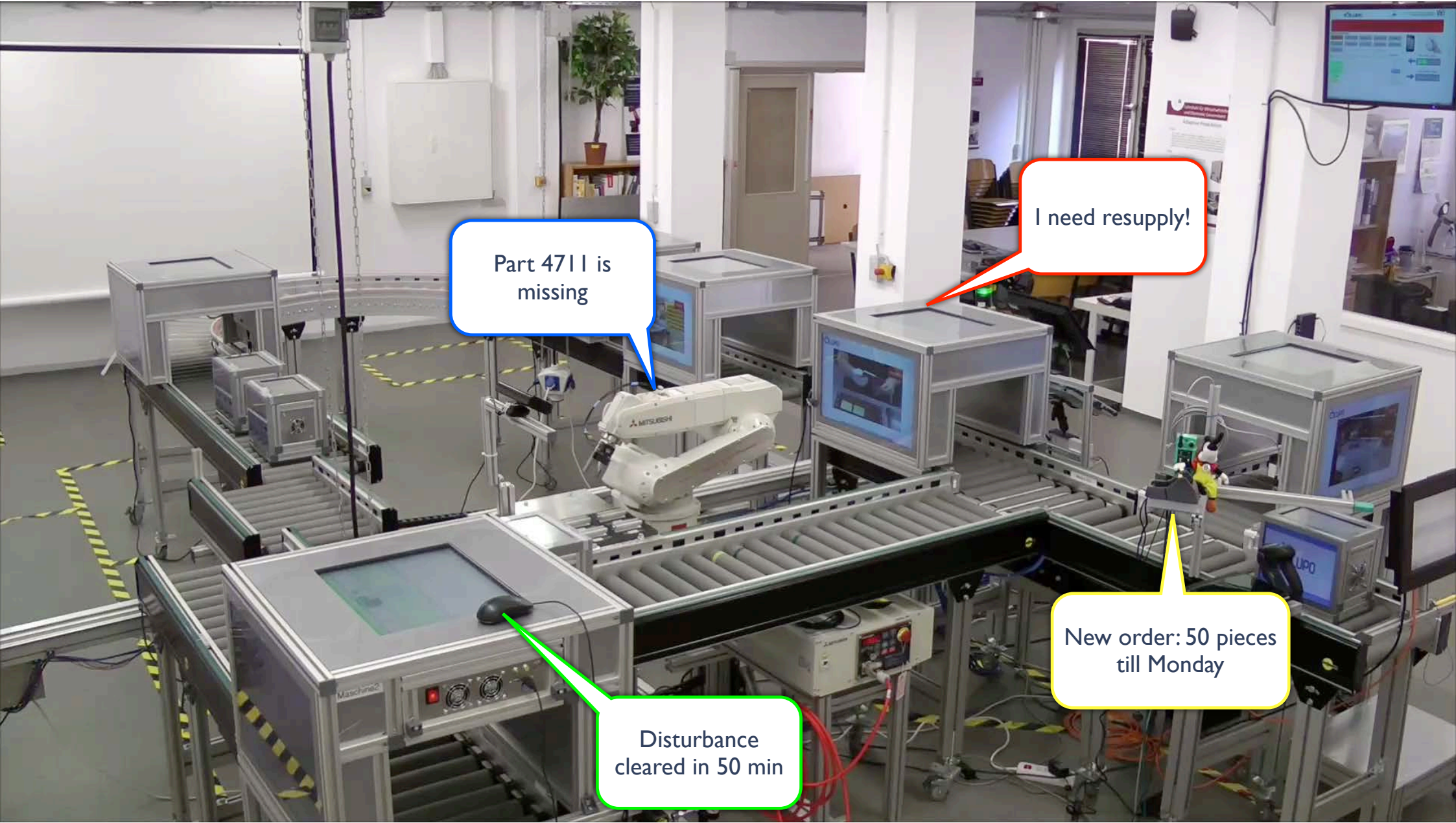
Qualification

Awareness



Phase 3: Evaluation





Part 4711 is missing

I need resupply!

Disturbance cleared in 50 min

New order: 50 pieces till Monday

Sources

- Gronau N, Ullrich A, Teichmann M (2017) Development of the Industrial IoT Competences in the Areas of Organization, Process, and Interaction based on the Learning Factory Concept. *Procedia Manufacturing* 9C. Elsevier. S. 294-301. DOI: 10.1016/j.promfg.2017.04.029.
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