



SSDC Road | WG on Urban Public Transport | 13 April 2018

# UPT 4.0 – Designing digital transition of work as social partners: BOGESTRA contribution

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# Implementation partners & topics

## 1. Mobile devices – operational control

Tablets for driving workforce

## 2. Complex value creation systems (logistics and sales)

Depot management and background operation systems for marketing

## 3. Remote diagnostics – software based maintenance and care

Interface between vehicle and workshop, digitalisation of workshop processes

## 4. 3D printing

Using 3D printing for spare parts and at workshops

**BOGESTRA contribution**

## 5. HRM 4.0 – Cloud work (administration)

Digital personnel files, telework and home office, launch of a HRM programme

## 6. Advanced training 4.0 (all areas)

Internal learning approaches between the priorities of work and leisure time

# 3D printing for infrastructure and workshops

- **Identify** the **scope of application** of **3D printers** in infrastructure and workshops
- **Definition** of **framework** for the application of **3D printers**
  - ▶ **Self-production** of parts and components (and co-operation with suppliers)
  - ▶ Consequences on **procurement** and **storage**
  - ▶ Impact on **storage costs** and **number** of **order processes**

# 3D printing for infrastructure and workshops

- **Identify** the **scope of application** of **3D printers** in infrastructure and workshops
- **Definition** of **framework** for the application of **3D printers**
  - ▶ New **scopes** of **work**
  - ▶ Change of **work processes**
  - ▶ Change of **existing tasks** and impact on **job descriptions**
  - ▶ **Training** and additional **qualification measures**

# Project approach on 3D printing

- **Employee surveys**
  - ▶ Development of **best practices** and **transferable work design plans**
- **Workshops**
  - ▶ Development of **criteria collection „Decent Work in UPT 4.0“**
  - ▶ Development of **guiding principle „Future of Work in UPT 4.0“**

# Why do we participate?

- Digital transition will **greatly affect** the sector
  - **Actively shape** the digital transition in UPT (instead of being shaped)
  - Digital transition is a **common issue** of **employers** and **employees**
- ▶ **Meet the challenges and exploit the opportunities of digital transition as Social Partners**

Thank you for your attention!

Do you have questions?



*M.A. phil.*

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