SMART Governance and construction logistics solutions

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Control, planning and coordination of construction logistics through cooperation
Construction logistics solutions

- Project geography
- Traffic situation
- Type of project

- Different stakeholders and thereby different criteria
  - Contractors (Zon 1)
  - Developers (Zon 2)
  - City administration (Zon 3)

Different stakeholders, criteria and projects =>
Different types of solutions
Small scope solution

Suppliers → Distribution → Production

- Check-point
- Slot times
- Waiting area
Medium scope solution

Suppliers -> Distribution -> Production

- Check-point
- Logistics site planning
- On site materials and waste handling

Labelling of material
- Slot times
- Planning unloading zones
- Waiting area
Maximum scope solution

Suppliers -> Distribution -> Production

- Labelling of material
- Terminal
  - Planning deliveries
  - Identified transport routes
- Check-point
  - Slot times
  - Waiting area
  - Parking and public transport
- Logistics site planning
  - Planning unloading zones
- On site materials and waste handling

CiViD
SMART Governance Concept

- **CITY LEVEL**
  - 1: Feedback to step 1 through evaluation cycles
  - 2: Develop a conceptual solution
  - 3: Policy, guidelines and agreements
  - 4: Stakeholder involvement
  - 5: Select a solution
  - 6: Follow up and KPIs

- **PROJECT LEVEL**
  - Create a shared sense of ownership for construction logistics

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SMART Governance during the construction process

**THE CONSTRUCTION PROJECT**

- **Planning**
- **Design**
- **Procurement**
- **Production**

**STEPS**

1. **Step 1**
   - Goal

2. **Step 2**
   - Conceptual solution

3. **Step 3**
   - Procurement requirement

4. **Step 4**
   - Stakeholder involvement

5. **Step 5**
   - Procurement

6. **Step 6**
   - Follow up / KPIs

7. **Step 7**
   - Evaluation and feedback

**SCENARIO ANALYSIS**

Identifying operative performance of different conceptual solutions in the specific project context (optimisation models, checklists, traffic flows, serious game, etc.).

**LOGISTICS SOLUTION**

- Conceptual Solution
- Actual Solution
- Follow Up

**MAJOR CONTRACTOR**

- Land Agreement
- Agreement
- Contract of Sale
- Procurement

**DEVELOPER**

**MUNICIPALITY**

- Goals
- Logistics Plan
Thank you for your attention!

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