SMART STATIONS IN SMART CITIES
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BIM - SMART STATIONS LIFECYCLE MANAGEMENT

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Parallel session 7. Smart Design

UNDER THE HIGH PATRONAGE OF

ORGANISERS
SMART PHILOSOPHY

Dual approach:

- **Technically oriented**: instrumented, interconnected and intelligent
- **Governance-oriented**: social capital and relations
TO INTELLIGENT SOLUTIONS

- **Predict**
  - Predictive modelling
  - Planning

- **Optimize**
  - Analytics
  - Decision making

- **Manage**
  - Sensoring
  - Monitoring

**VALUE**

**MATURITY**
LIFECYCLE

Sequential lifecycle

Plan

Circular lifecycle

Construction

Design

Plan

O & M

Operation & Maintenance
BIM Methodology

- Sustainability
- Safety
- Commitment
Digital twin
Single source of truth

- Centralized information
- Reliable information
- Updated information
- Available information
- Traceable information
Simulation. Making decisions
Changing the way
Interoperability

- **Organizational**: among the different agents
- **Semantic**: interchangeable information interpretable automatically and reusable
- **Technical**: open standards and specifications
- **Temporary**: sustained over time
BIM Methodology, Human factor