Ludovic Seydoux

Manager @ LusConsult
Belgium

- Mobile phone : +32 473 75 40 48
- Email : LusConsult@ludovicseydoux.eu
- LinkedIn : linkedin.com/in/seydouxludovic

Create a BIM standard chapter to predict

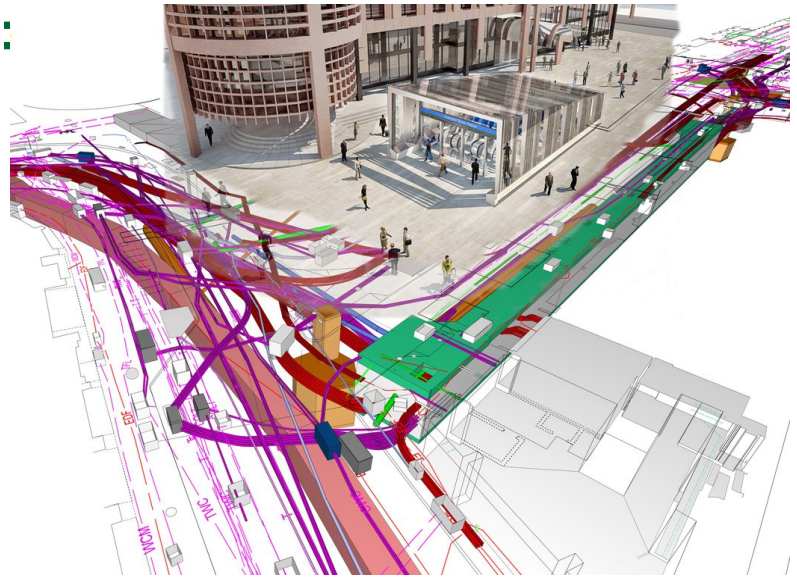
accurate transit time

Rail actors	*to provide*	*to*	*third-parties*
Train Stations Operators	ACCURATE TRAVELLERS TRANSIT TIMES		Public : - travel apps, multimodal - search engines/maps Businesses : - Booking software - Cartography / mapmakers

+KPI for Contiunous Improvement

How will BIM help

- **BIM is Building Information Modelling :** approach to the collaborative design, realization, and operations of buildings



- Based on standards and workflows.
- Today, integrated datas includes :
  Structure, power, airflow, clean&waste water,
  Information network, fire detection, thermal, …

- New chapter : **transit time management,** includes :
  - Items :
    - Paths, corridors
    - Doors & Checking gates
    - Stairs and lifts
  - Data :
    - Crossing time
    - Convenience ability : weatherability, luggages, wheelchairs...
    - Efficiency / load : theoretical, live and predicted

Suggested Partners

- For standard definition

  - Rails actors
  - BIM experts / OpenBIM standard,
    including Industry Foundation Classes (IFC)
  - Cartography / mapmaking organisations
  - IT specialists

- For implementation / deployement :

  - Regulators : create incentive or legal obligation and timing to implement
  - Train stations operators : implement and maintain
  - Train station builders : integrate in architectural projects
  - IT specialists

Deployment phases

- 1 : standard times, users able to integrate transit time data
- 2 : Updated data – Macro : peak hours, days
- 3 : Live Updates – Micro data : sensors in infrastructure and people
- 4 : predict the future, build scenarii
  - Actors to define future events impact : refurbishment work, ...

RESULT

- Improved travel confort and efficiency

Transit time :

Option 1 : June 1st, 8:05am
- 12 min., fluid

Option 2 : June 1st, 9:35am
- **28 min.**, deviation caused by power maintenance