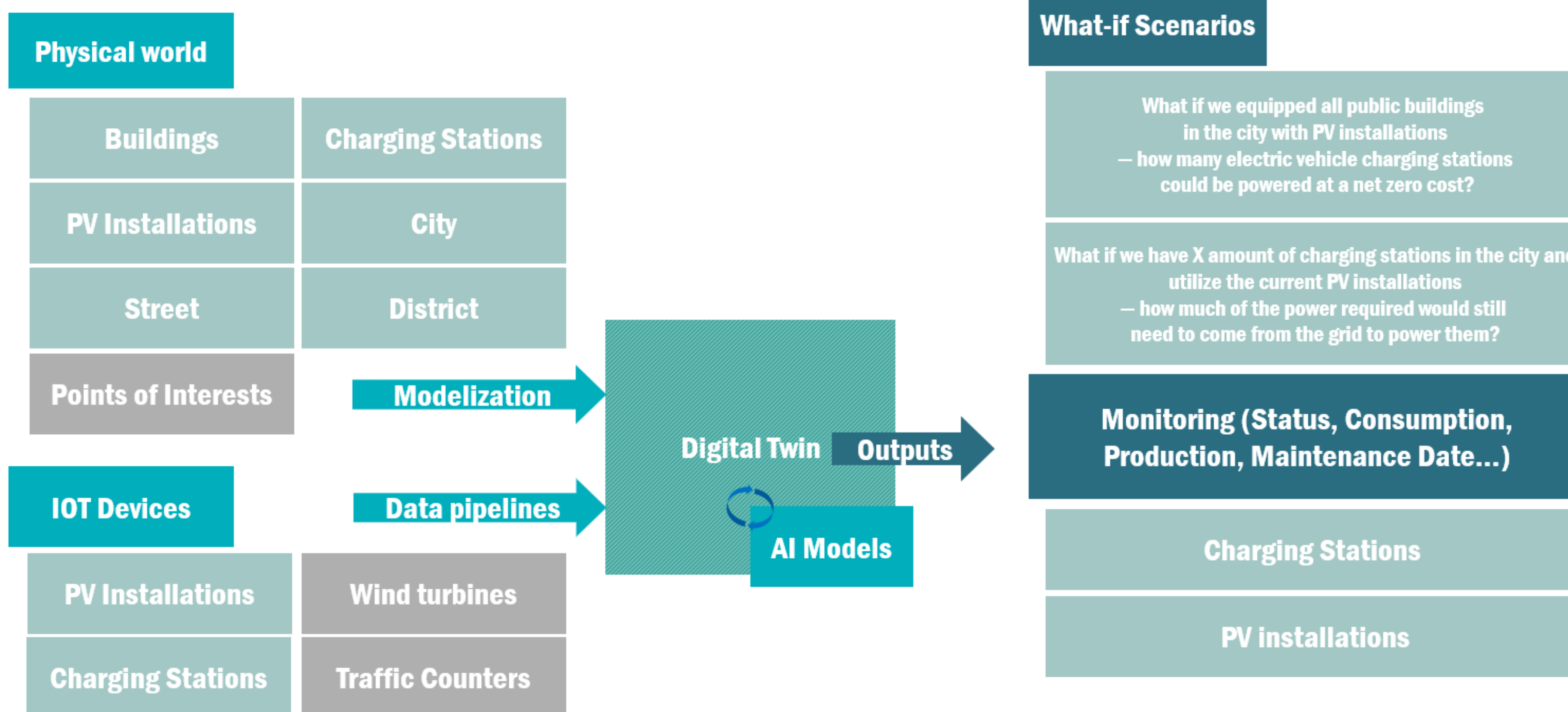
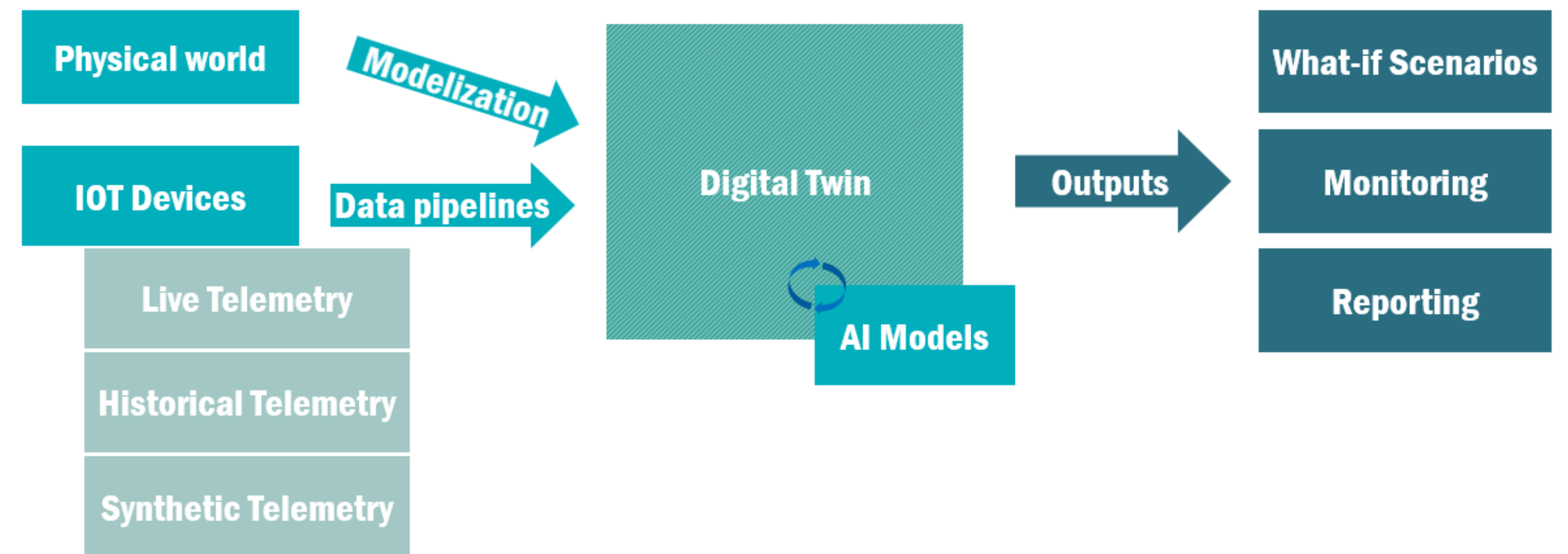


LOCAL DIGITAL TWINS FOR ELECTROMOBILITY

Context

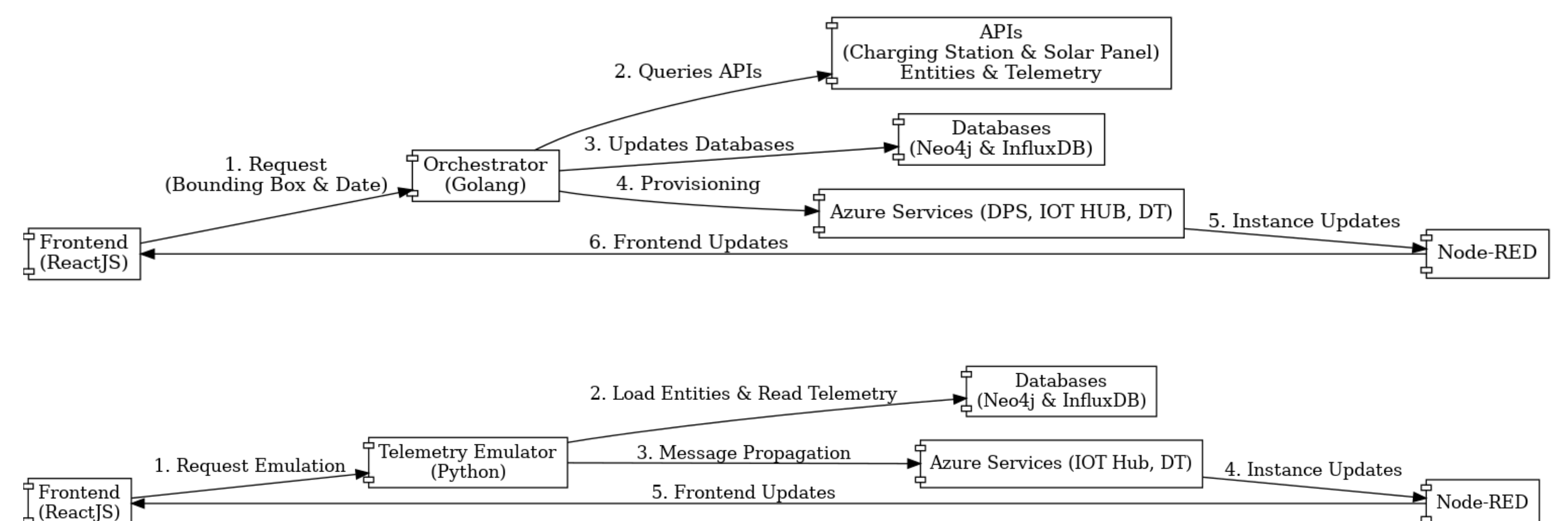
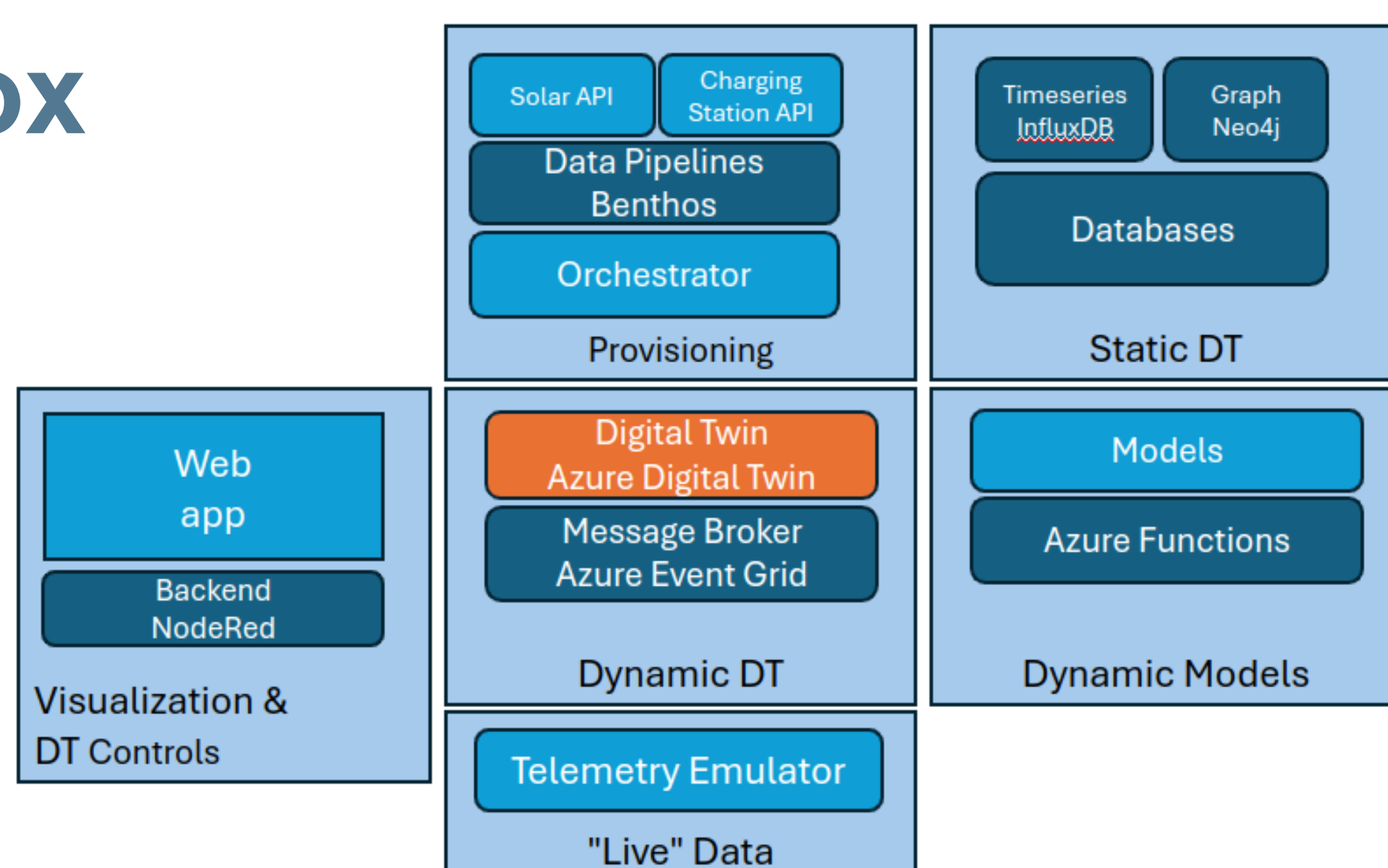
The deployment of electromobility in urban areas is crucial for sustainable development. Local Digital Twins (LDTs) are emerging as the most suitable tools to facilitate informed decision-making for city planners.



Case-study

Our project explores the transformative impact of LDTs on electromobility. In a concrete pilot experimentation in the City of Differdange in South Luxembourg, CitCom.ai contributes to testing and experimenting AI and Digital Twins for urban sustainability and technological advancement.

Toolbox



Data

- Charging Stations Entities & Telemetry
- Solar Panels Entities & Telemetry
- Building Entities (lidar Cadastral survey of Luxembourg)
- Electric Consumption and Production of the public building of the city

Models

- Charging Station Power Consumption Model
- Solar Power Production Model

Visualization

