

**Smart City solutions
For The Planning Of Smarter Sustainable Territories**

June 2021

SIRADEL

- Provider of 3D Digital Twins of cities, producer of 3D data/maps, editor of Simulation Software and Smart City Platforms for 25+ years
- Headquarters in France with international offices in North America, Europe and Asia
- 300+ references worldwide
- Part of the ENGIE group (French leader in energy transition - 170,000 employees worldwide with 60B€ revenues)

Urban planning

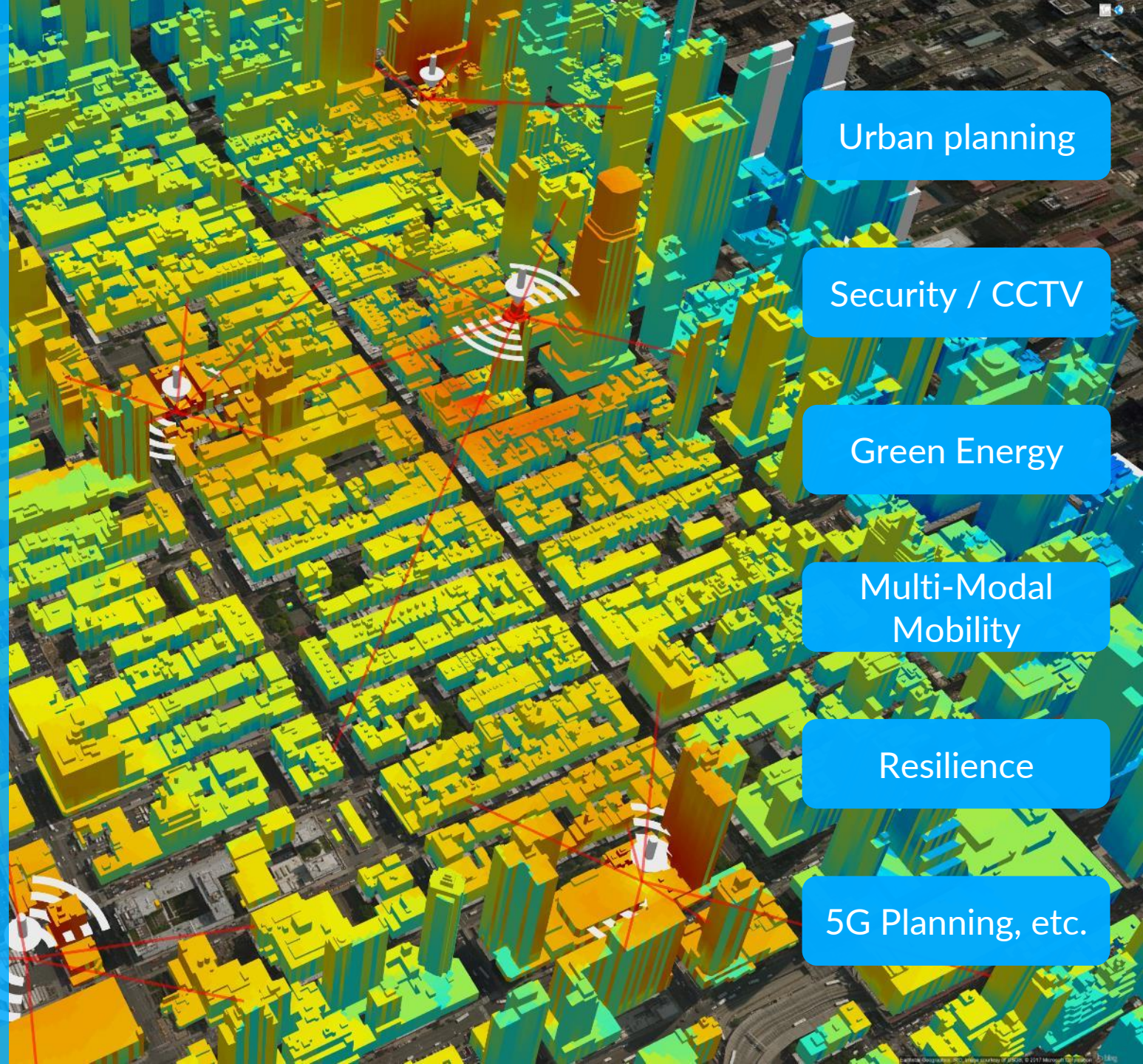
Security / CCTV

Green Energy

Multi-Modal
Mobility

Resilience

5G Planning, etc.



Digital Twin

UNDERSTAND the territory thanks to a comprehensive and transversal vision

Accurate 3D model of the territory

+

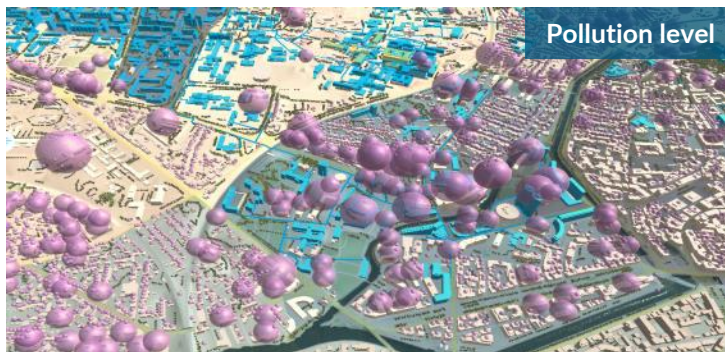
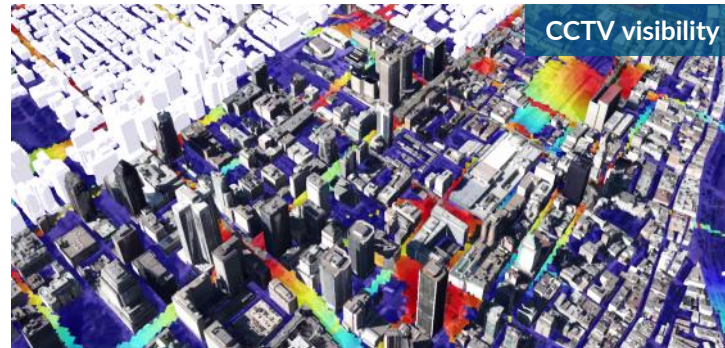
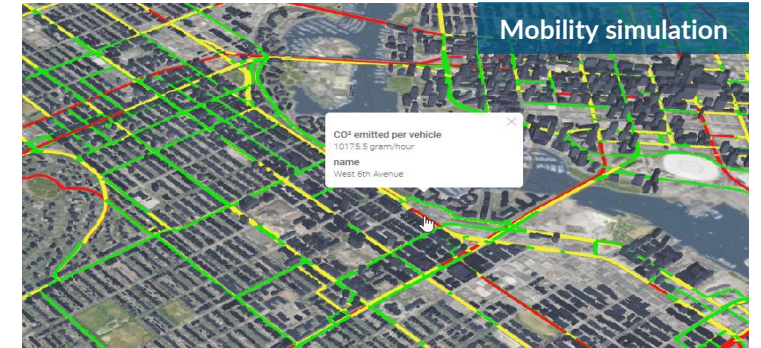
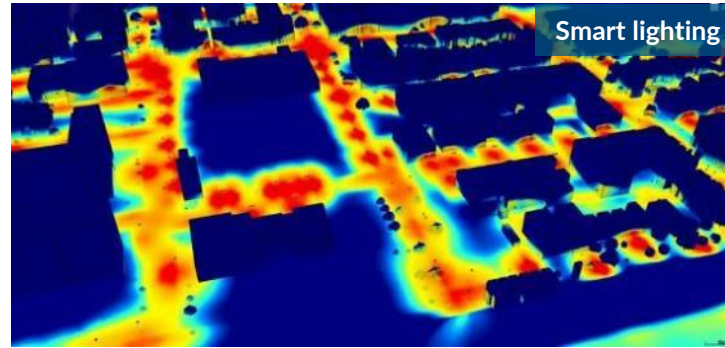
Aggregation of all the territory's data in a single, interactive and evolutive referential



Simulation software

ASSESS the impacts of future transformations

- Scenarios analysis and comparison
- New urban indicators computation (heat islands, solar potential, etc.)



Smart City Platform

DECIDE, PLAN & OPTIMIZE

With a Collaborative
3D visualization platform for smarter:

- Infrastructure planning
- Risk management
- Decision-making
- Communications



Promotion tools

PROMOTE the territory and
SHARE its transformation projects

with innovative, interactive and
customized media solutions such as
interactive 3D mock-ups, AR/VR apps,
websites, etc.



KPI: Consumption KWh / year

Current 3,280,533

Refurbished 3,280,533 - 0%

1 / 65 Buildings

0 / 5 Actions



Audit details
Via Morosini
Scuola Media Inferiore



Total consumption 3,280,533

Max gain 467,569



Highest impact action 7.9%
Type: Generator replacement

Lowest impact action 0%
Type: Installation of solar thermal panels



Gain by action

Generator replacement	260,571
Installation of solar thermal panels	0
Staircase compasses	16,605
Heat reflective radiator panels	25,498
Thermostatic valve replacement	164,895

Gain distribution



To sum up, Siradel's solutions allow to better...

UNDERSTAND

ASSESS

DECIDE

PROMOTE

01

02

03

04

Thanks to a **common database** aggregating all the territory's data in a **unique referential**



And **anticipate impacts and risks** using 3D simulation



Collectively between all the stakeholders of a project



Using innovative and interactive **communication and promotion tools**

DIGITAL
TWIN



SIMULATION



PLANNING



COMMUNICATION



Would you like to receive more information about our solutions for the building of more connected, sustainable, resilient and attractive territories?



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