

Integrating Smart Grid and Smart Cities

CIGRE ITALIA

Filippo Passante – Unit Managing Director

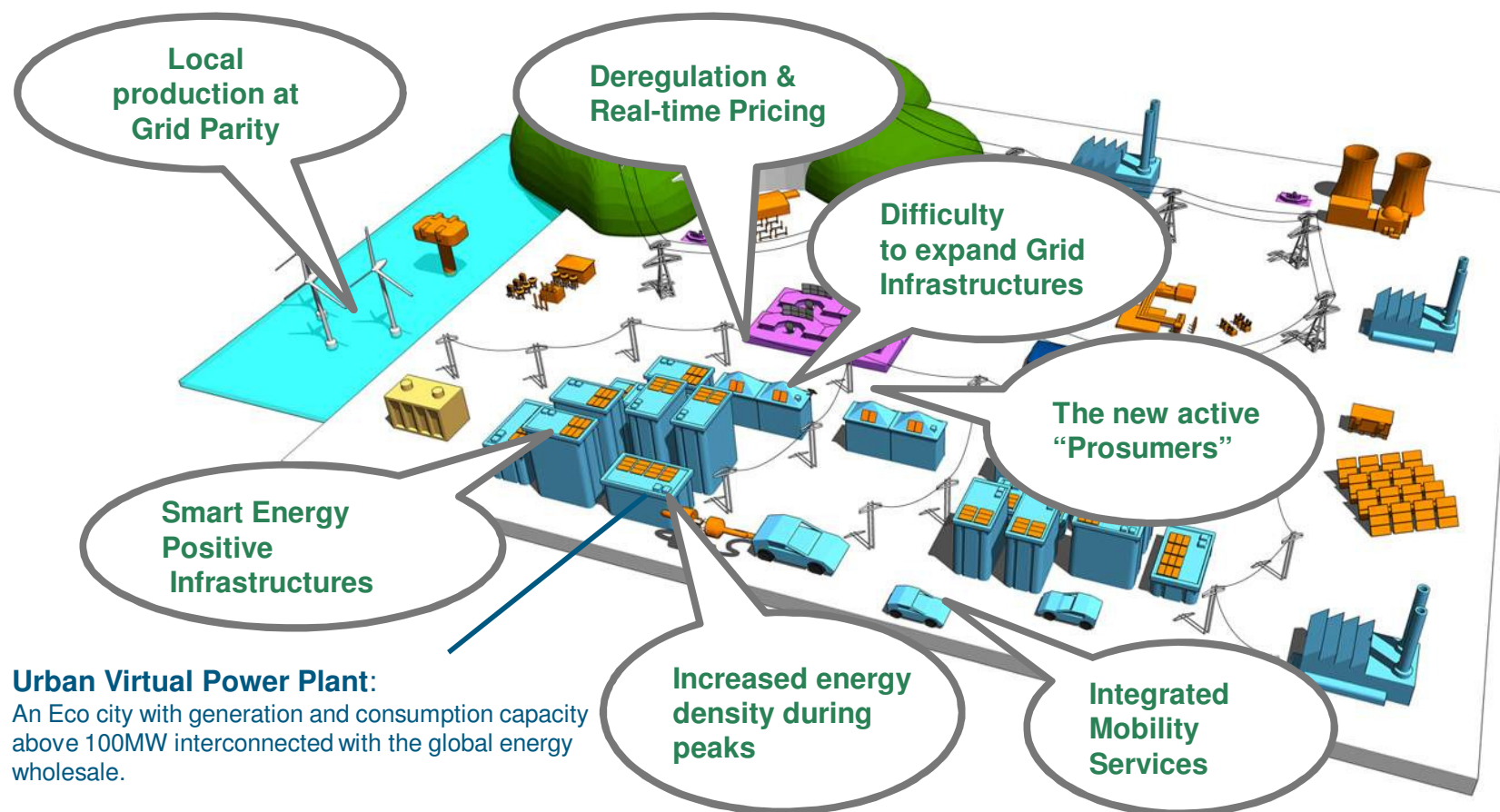
Rodolphe de Beaufort – Smart City Marketing Director



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Urban energy infrastructures are facing new constraints

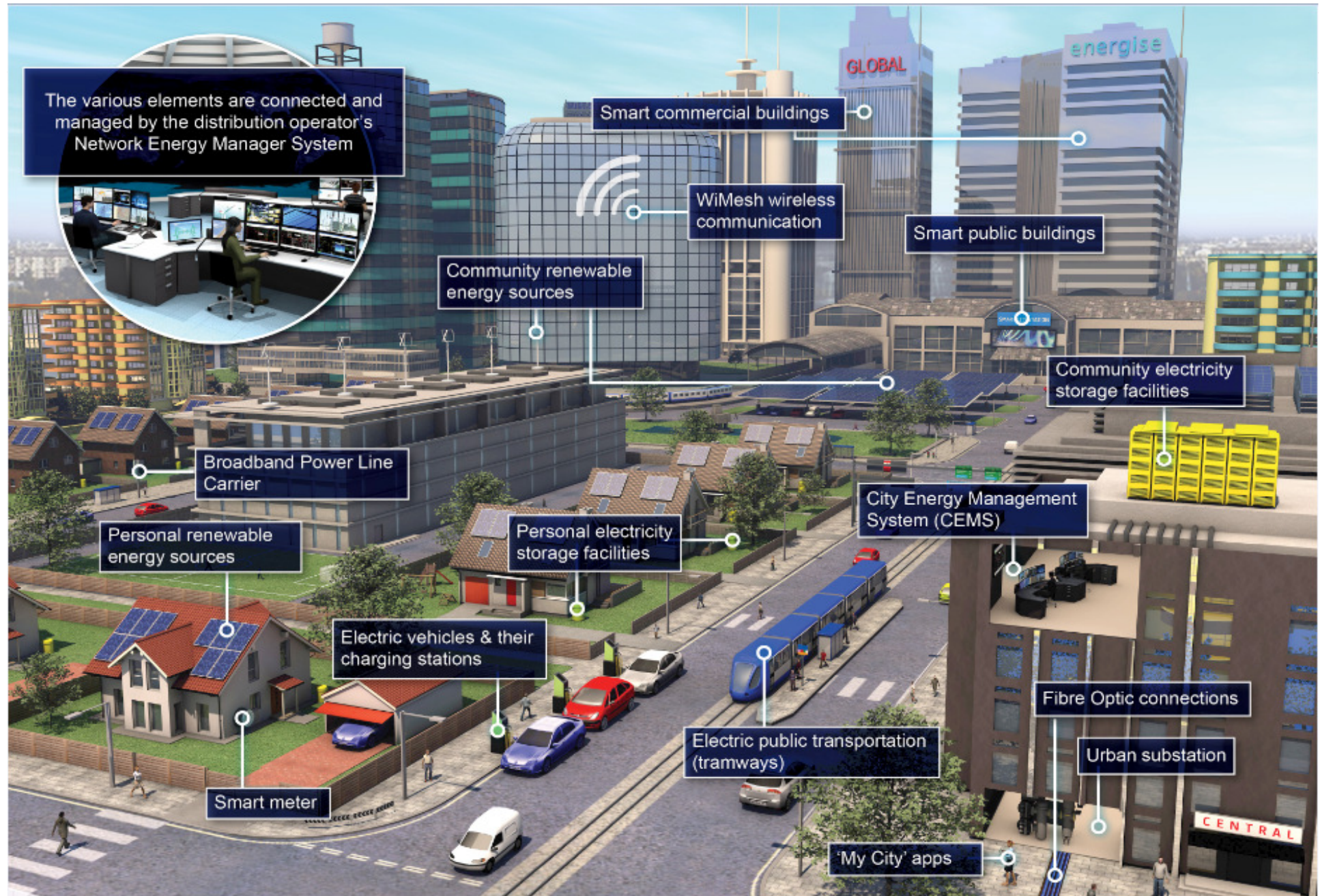


New coordination needs of Distributed Energy Resources (DER)

MICROGRID ENERGY MANAGEMENT

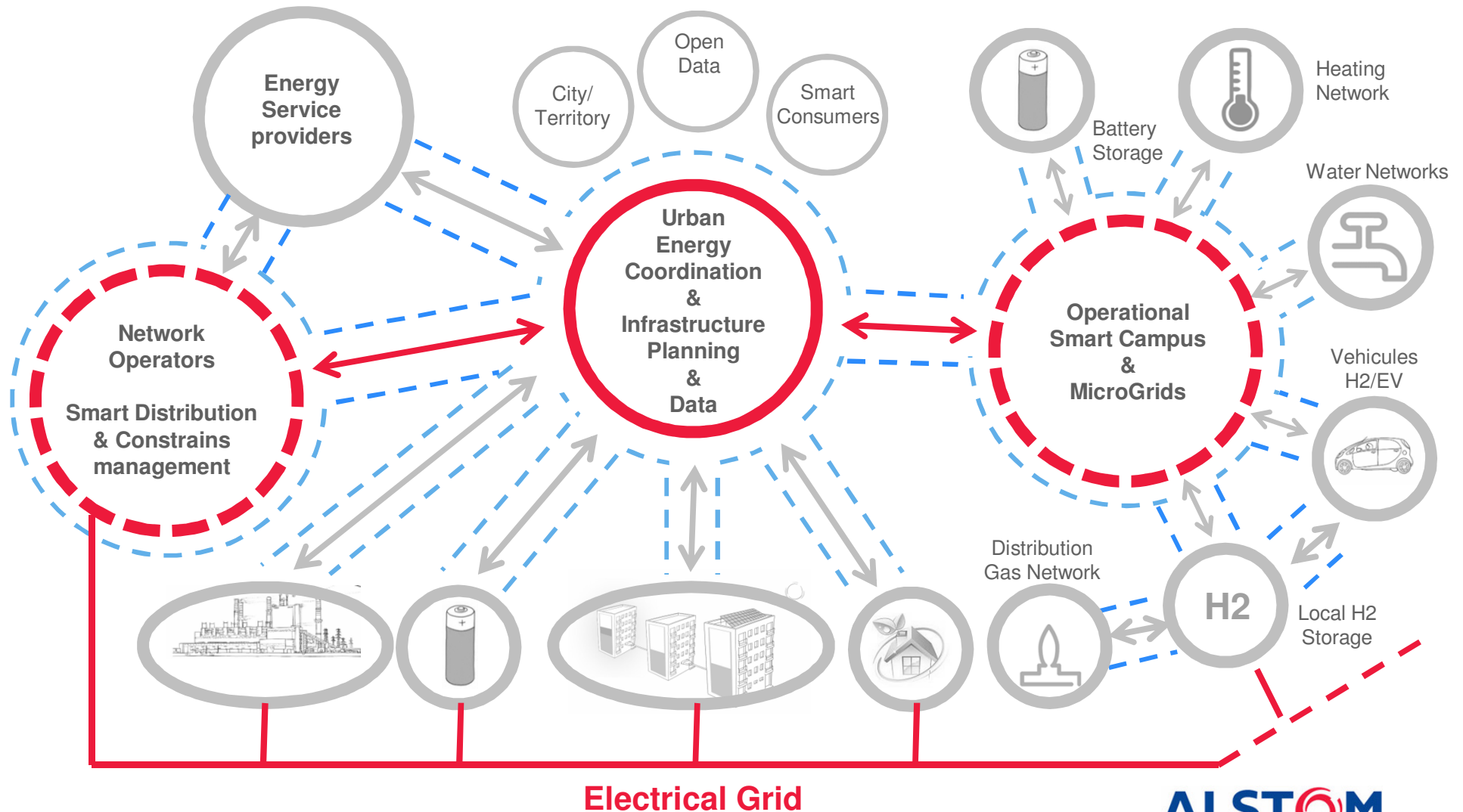


Smart City : Multi Energy Optimisation & Public Data Service



When governance is defined, Innovation can be delivered

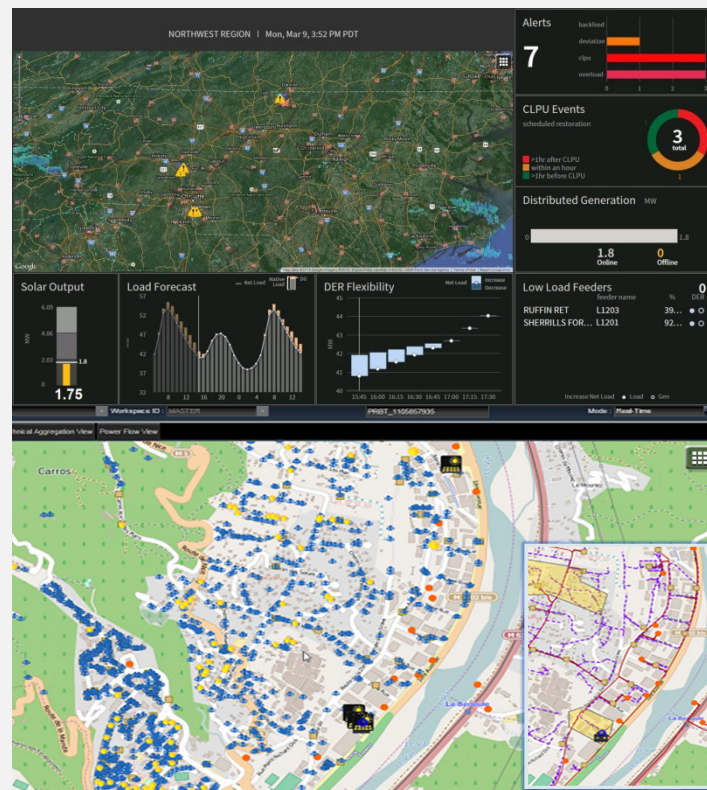
DER Transactional Coordination between Local Stakeholders



Implementation : system of systems

Wide Supervision & Coordination

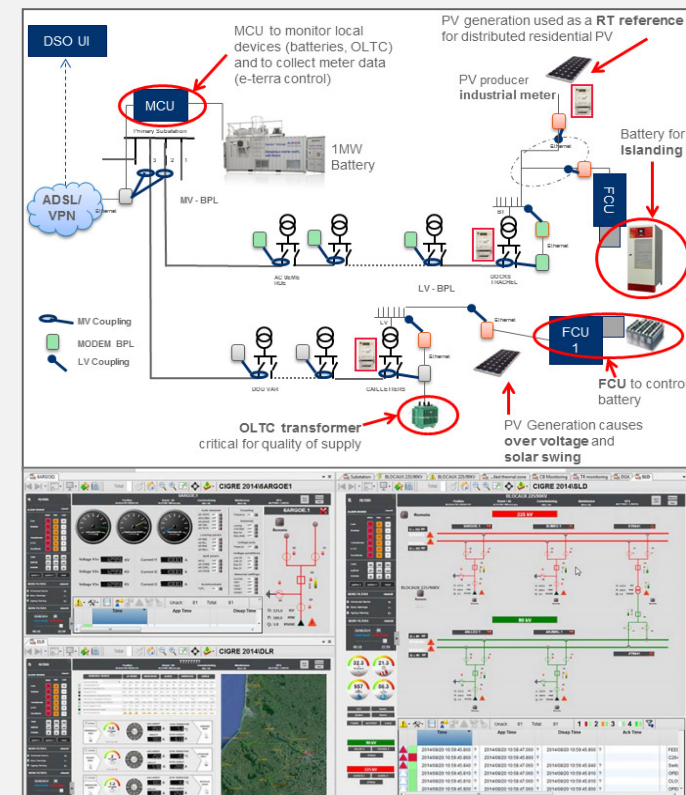
Distributed Resources Management,
Market & Community Services



IT Solutions for DSOs, Cities
and MicroGrid Operators

Local Operation & Optimization

Grid and MicroGrid local Automation,
Smart Protection and Telecoms



&

Network Products for DSOs
and private Micro Grids

Next Steps : Initiate Large Scale Living Labs





Welcome in the new interoperable Smart Grid world !