institut smart grids

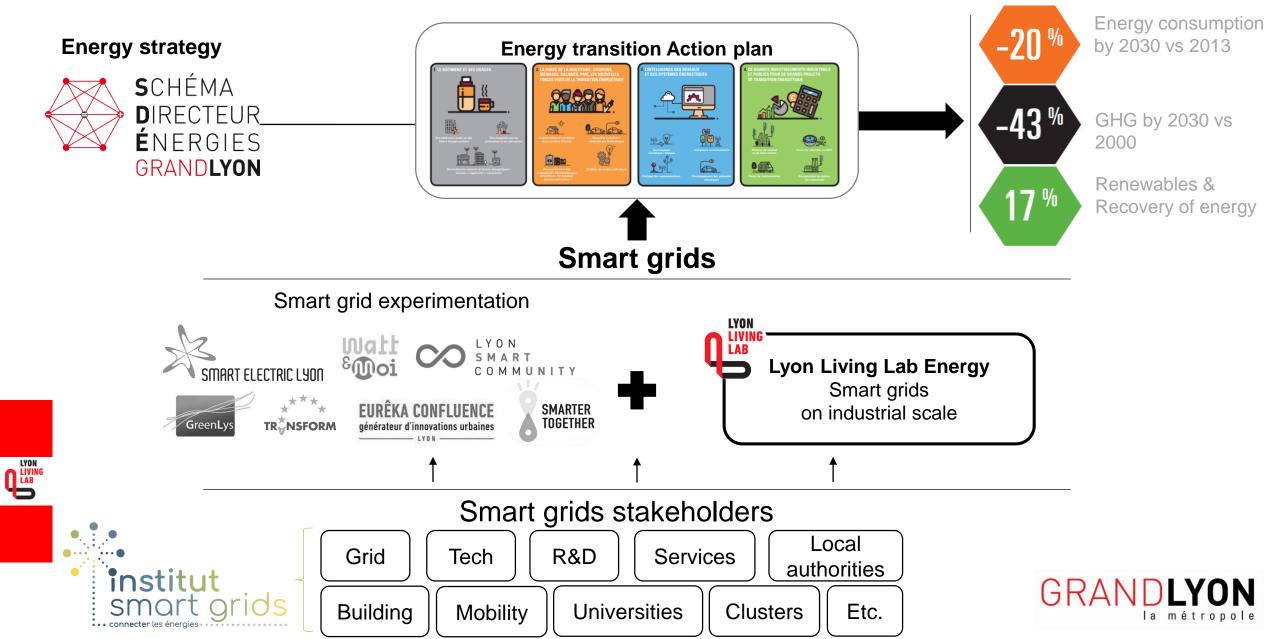


Welcome !

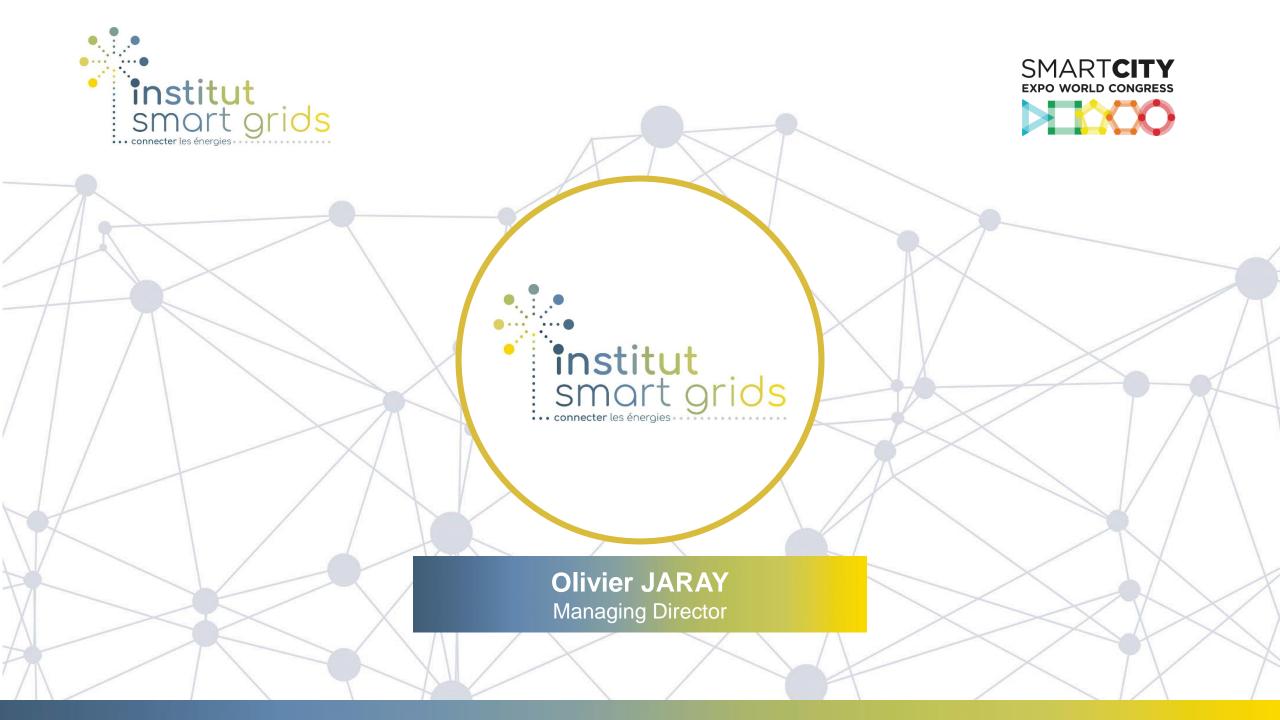




Lyon Metropole Energy Strategy & Smart grids







Created in the French energy region



Auvergne-Rhône-Alpes 1st positive energy region Electricity exporter to France & abroad With an exemplary energy mix

27,4% of renewable energy produced in France

Advanced in Smart Grids R&D

For 10 years - 5 b€ of investments - 900 patents 50% of Smart Grids pilots & demonstrators tested in the region with 2 iconic Smart Cities (Grenoble et Lyon)



The Smart Grids Institute is...



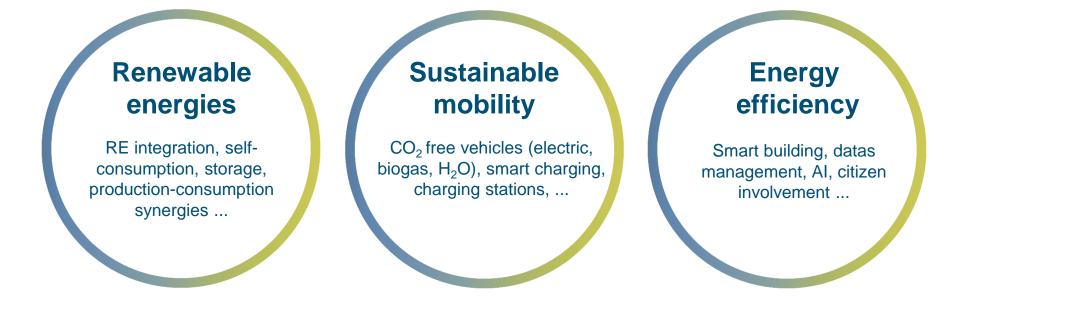
Institutionals, industrialists, start-up & SMEs, universities...







Combine **innovation**, **digital and energy technologies** Serving the **energy transition**, **economic** and **ecological** development of territories





Smart Grids involved in the energy road maps of territories (France, regions, Metropolis and local authorities)

3 axes



of collaboration for your energy projects



<u>Innovation</u>

making your local energy projects come true

Industrial

<u>development</u>

in France and Worldwide

Education

academic & professional training about smart energy grids



Example : specialized training classes for engineering schools

EDUCATION academic & professional trainings





Example : Energy Transition and Smart Grids training seminars

EDUCATION academic & professional trainings





INNOVATION R&D and local innovative projects





on electric vehicles charging

INNOVATION R&D and local innovative projects





DEVELOPEMENT French & International



Africit 🕘

GRIDPOCKET GRIDPOCKET J51 Quebec 22 J51 GRIDPOCKET GRIDPOCKET ----

Example : Africit-e project

Value Audeu Services

DEVELOPEMENT French & International





THE DIGITAL ERA FOR ELECTRICAL NETWORKS



Luc Richaud

www.odit-e.com

06/12/2019

ODIT-E AT A GLANCE

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Add a new dimension to your operating

Supervision and decision support software for the operation of LV networks



- Company created in 2017
- 6 co-founders
- From Schneider & G2Elab
- 8 people in Grenoble France
- 2 people in Barcelona Spain

A combination of skills in artificial intelligence & distribution networks

- 60 years of cumulated experience in electrical distribution
- Two PhDs in data analytics

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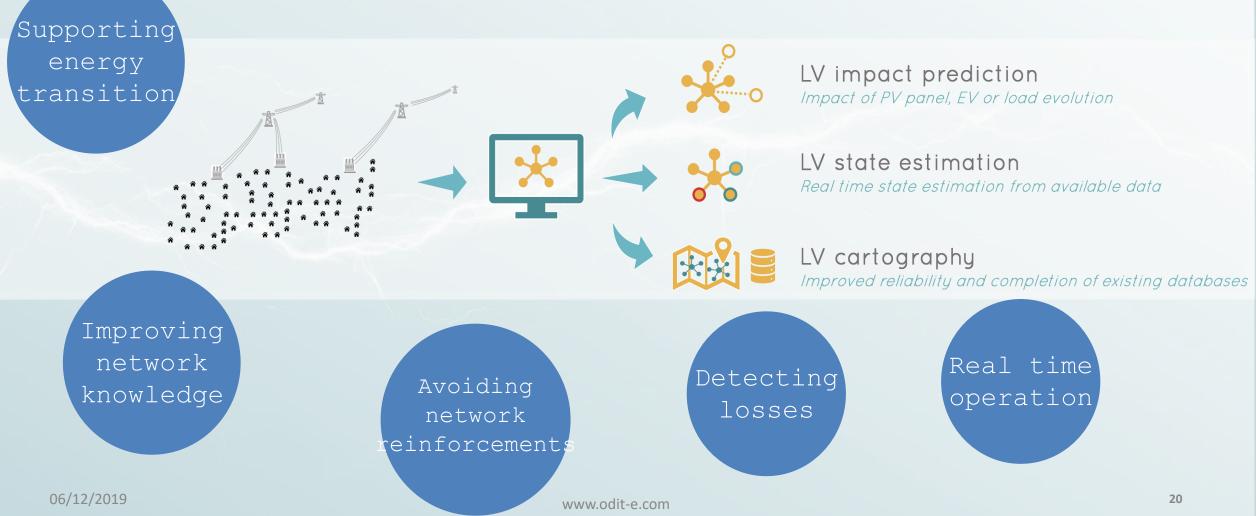




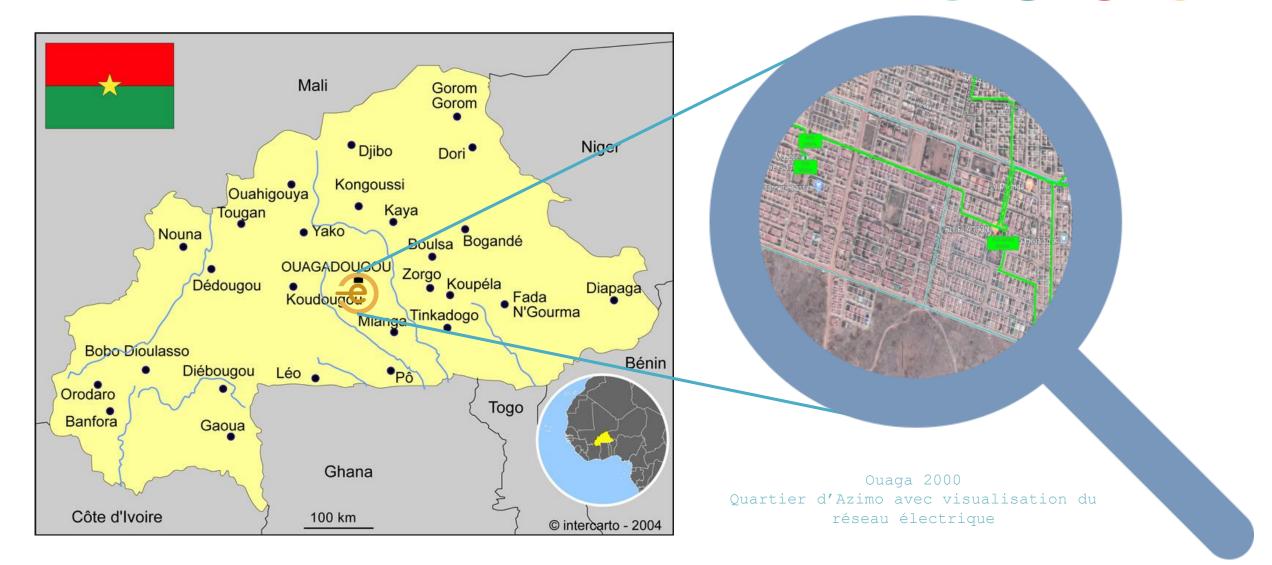
THE DIGITAL ERA FOR ELECTRICAL NETWORK

Add a new dimension to your operating

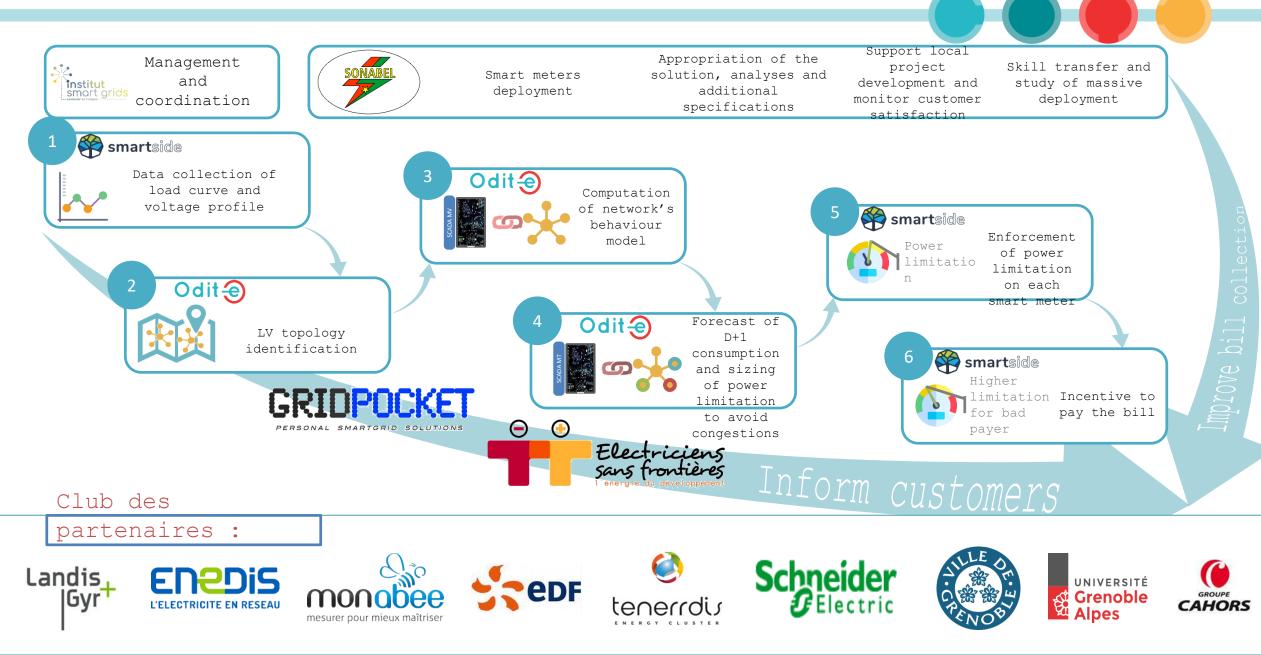
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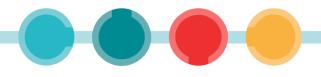


LOCATION OF THE PROJECT



USE CASE OF THE PROJECT





Proposal preparation planning:

- 14th June 2019 -> Submission to the call for projects "Sustainable city in Africa"
- 6th Sept 2019 -> The project is being taken into consideration

Project realisation planning Burkina Project realisation planning Burkina

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WP 1	Project management						*	Sum	hmit				×
WP 2	Deployment of smart metering infrastructure and data collection												
WP 3	Functional and technical specifications												
WP 4	Development and validation of the solution												
WP 5	Feedback over the experimentation and generalisation plan												
WP 6	Photovoltaic insertion capacity map of the studied network												
Reports	Initial report												
	Interim report		.										
	Final report												



THANK YOU

THE DIGITAL ERA FOR ELECTRICAL NETWORKS

