



Brussels, 7th Nov 2011

Smart Grids When DIGITAL is going to change how the energy works



herve.rannou@items.fr
herve.rannou@smartsgridsconsulting.com
www.smartgridsconsulting.com
Tweet: @smartgridsconsulting

SIEGE
16, rue Kléber – 92442 Issy-les-Moulineaux – France
www.items.fr

BUREAUX:
PARIS : 70 rue Amelot – 75011 Paris, +33 (0)1 43 38 66 48
MARSEILLE : 146 rue Paradis 13006 Marseille - +33 (0)1 4985 0326

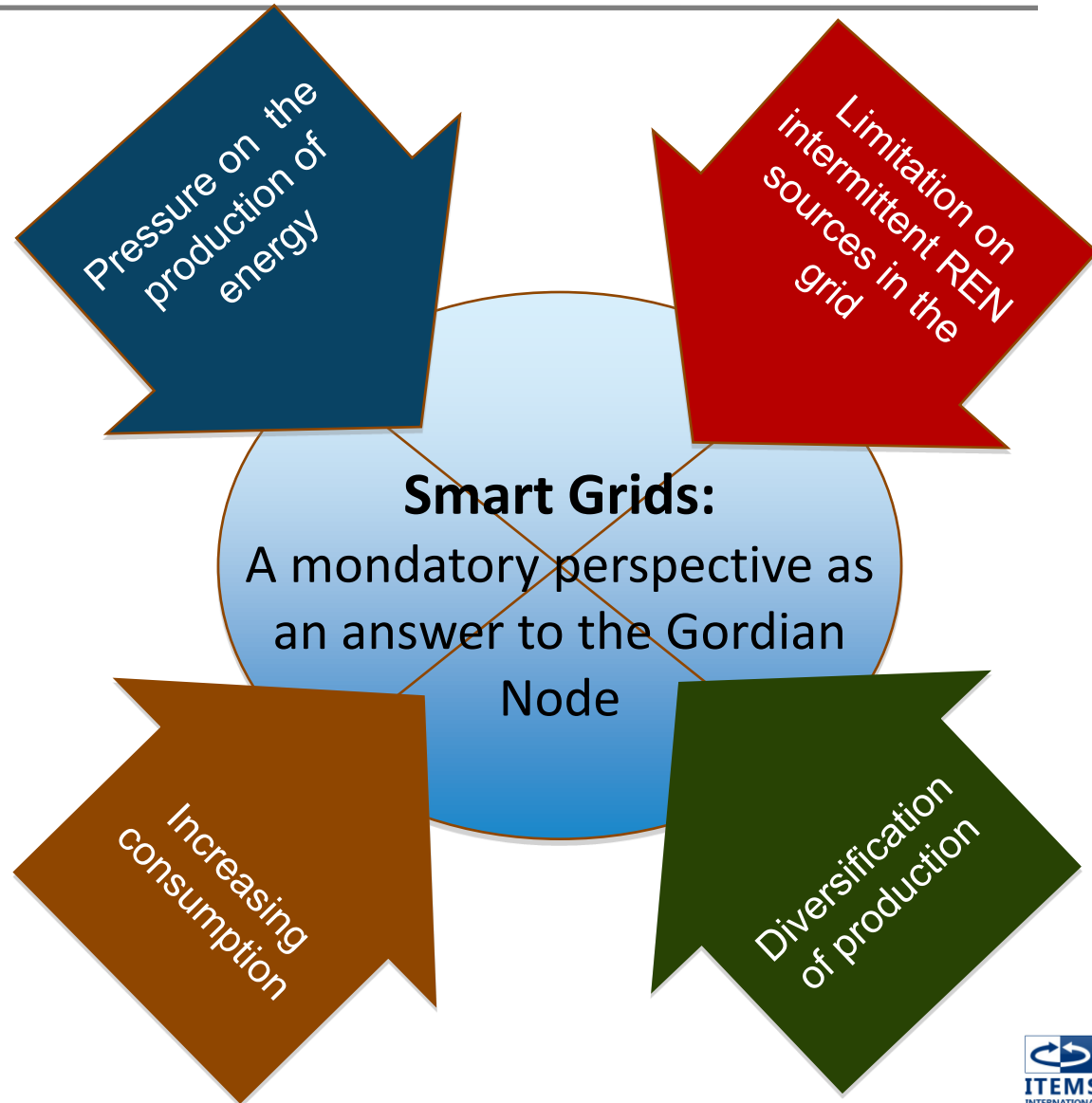
Hervé Rannou - herve.rannou@items.fr



ITEMS INTERNATIONAL
Strategic Consulting In a Digital World

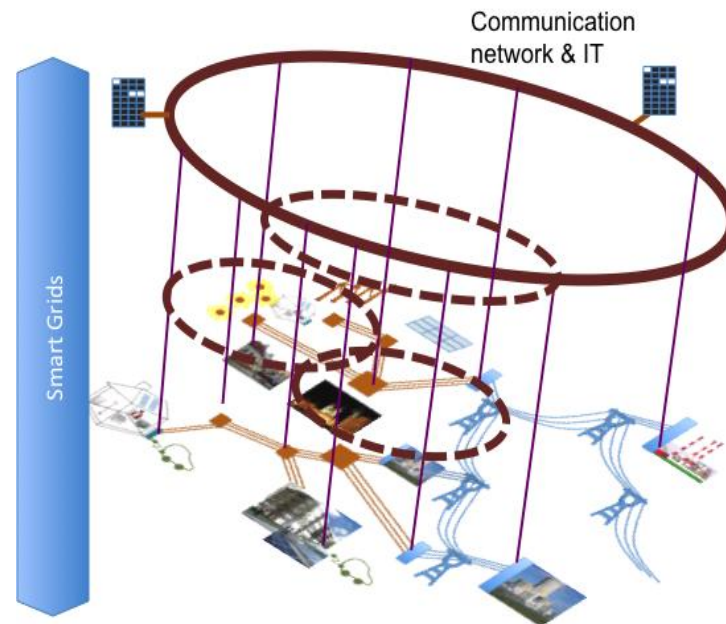
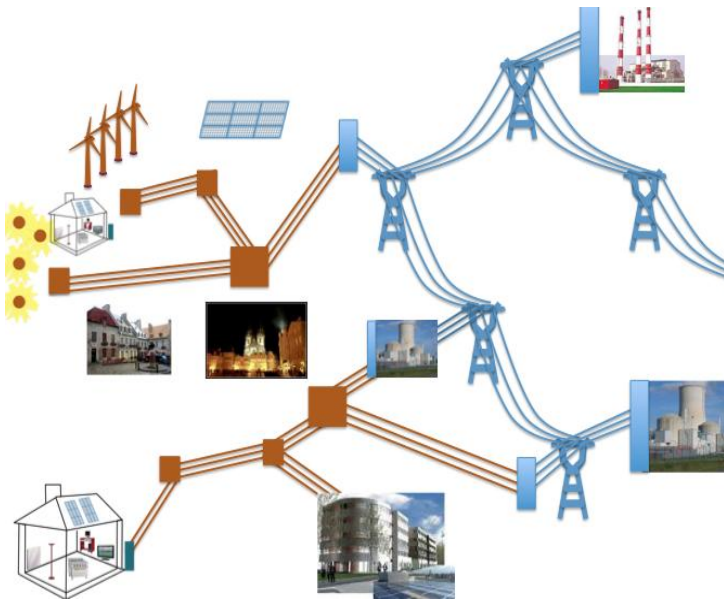
The gordian knot

- Combination of constraints limiting the evolution of energy grids



The growing importance of « Smart Grids »

- “Intelligence” in the grid is due to optimize the balance between production and consumption

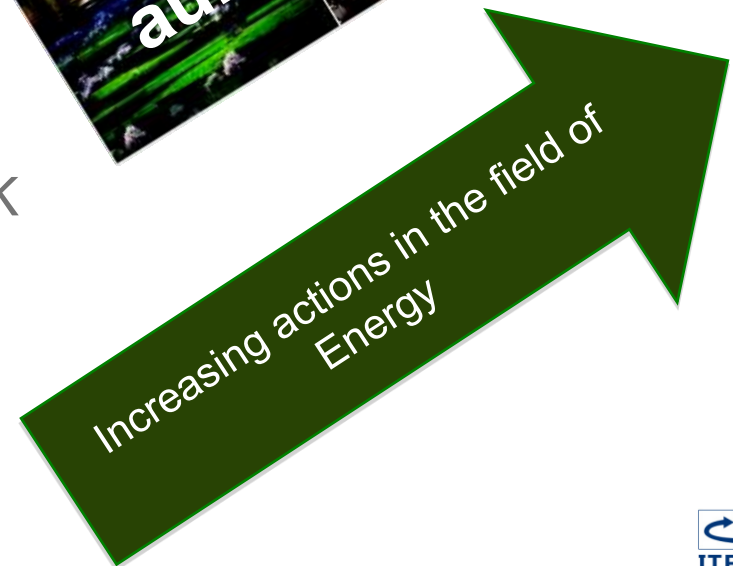


Hierarchical grid

Smart Grid

On their side, local authorities are going to have a part to play in the game

- They are more liable regarding questions of production and consumption
- They have to comply with legal obligations
- They define strategic visions
- They develop policies
- They want to reduce their carbon footprint
 - Carbon Reduction Commitment in UK
- They set up specialized departments in their administrations



At the other side: the customer

■ Smart Meters

- Innovation in services : Imagine the future with smart g
meters ..



An “Energy- Microsoft” type model

- major player in a country that would provide all global, coherent and compatible solutions « on the shelf »
- Partnership ecosystem

An “Energy-Apple” type mode

- major player that manages and controls a platform of elected services provided by third parties
- Platform ecosystem

A “Energy-Google” type model

- player that is the engine and the reference of a ecosystem where each one does what he wants to do ... and reinforces the key role of this player
- Open ecosystem

... and the time comes when Google takes 37,5% of Atlantic Wind Connection that is going to build up a wind energy offshore plant on east

Smart Cities: Mixing Urban, Energy, Mobility with Digital

Smart Home



Smart Buildings



Public Buildings efficiency



Smart Transports



Energy Operation Center



Green Data Center

Smart User Apps



Recent news amont others:

- #China to invest \$90 billions in #smartgrid technologies by 2020
<http://bit.ly/w2OMiw>
- @CiscoUtilities: #SmartGrid home area network market to grow 18% through 2014: <http://ow.ly/73Zvu>
- #Energy Management #Software and Services Market to Reach \$5.6 Billion by 2020, Forecasts Pike Research <http://bit.ly/u5IOTz>
- Research and Markets: The Global Smart Grid Home Area Network (HAN) Market to Grow At A CAGR Of 18% <http://bit.ly/tomPew>
- Illinois enacts Energy Infrastructure Modernization Act November 1, 2011. \$2.6billion invest ComEd/#Exelon <http://bit.ly/teeUOR>
#smartgrid
- #Pike Research forecasts total #smartcity investment in Latin America to grow to \$2.8 billion by 2020. #Rio #urban #energy

Follow our tweet



Smartgrids Tweet

@SmartGridsTweet

Smart Grids Consulting. International consortium setup by ITEMS International (www.items-int.eu) in order to provide strategic consulting and expertise .

<http://smartgridsconsulting.com>

Thank you

Smart Grids Consulting

International Consulting Team setup by ITEMS International

www.smartgridsconsulting.com

Join us on:



Smartgrids Tweet

@SmartGridsTweet

Smart Grids Consulting. International consortium setup by ITEMS International (www.items-int.eu) in order to provide strategic consulting and expertise .

<http://smartgridsconsulting.com>

herve.rannou@items.fr

herve.rannou@smartgridsconsulting.com