

Virtual Power Plants: Contributions to flexibility?

DFBEE conference: Flexibilisation of the power system in
France and Germany
Berlin, November 2015

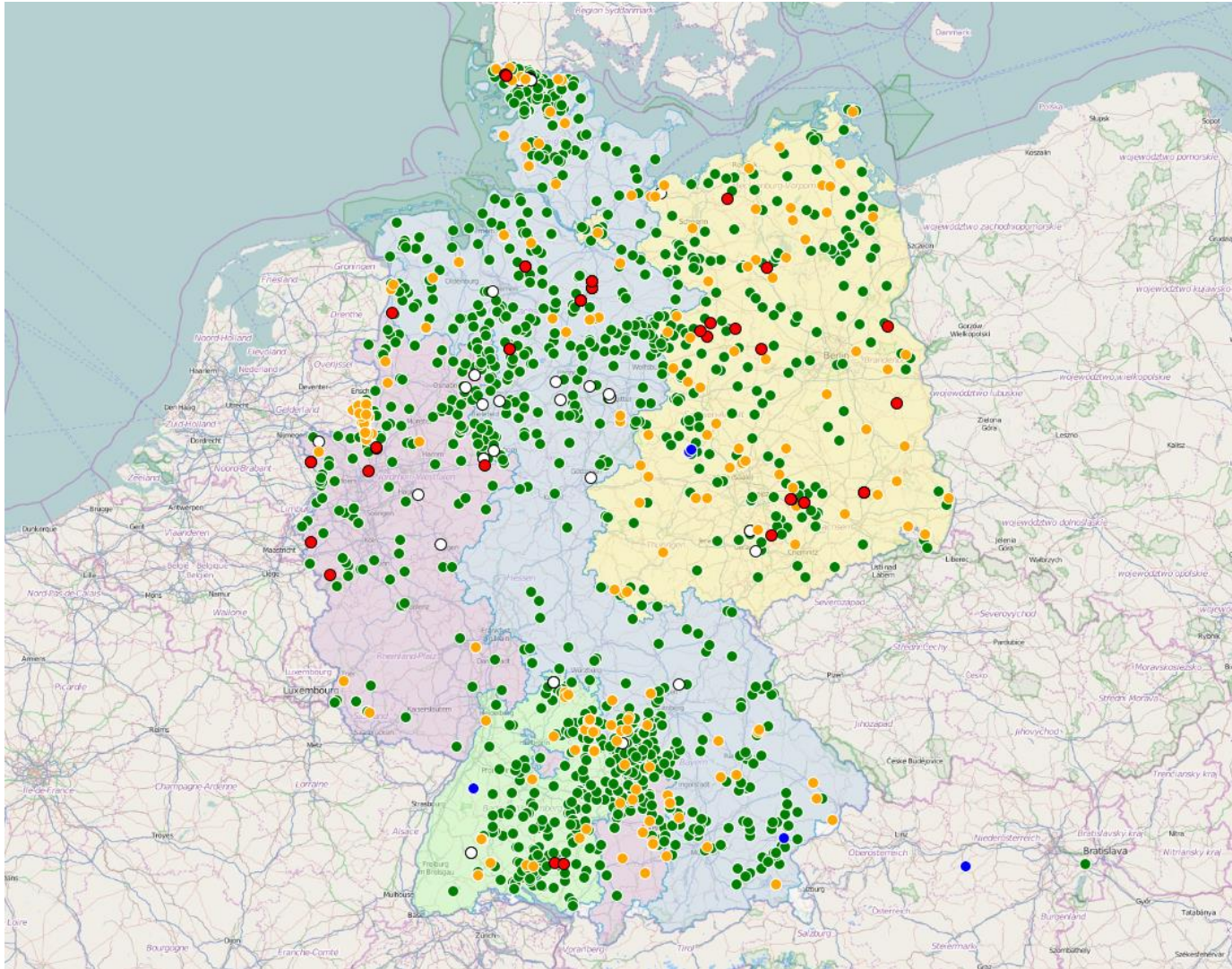
Virtual Power Plant

What does it mean?



Next Pool in Germany

about 2.800 units already interconnected



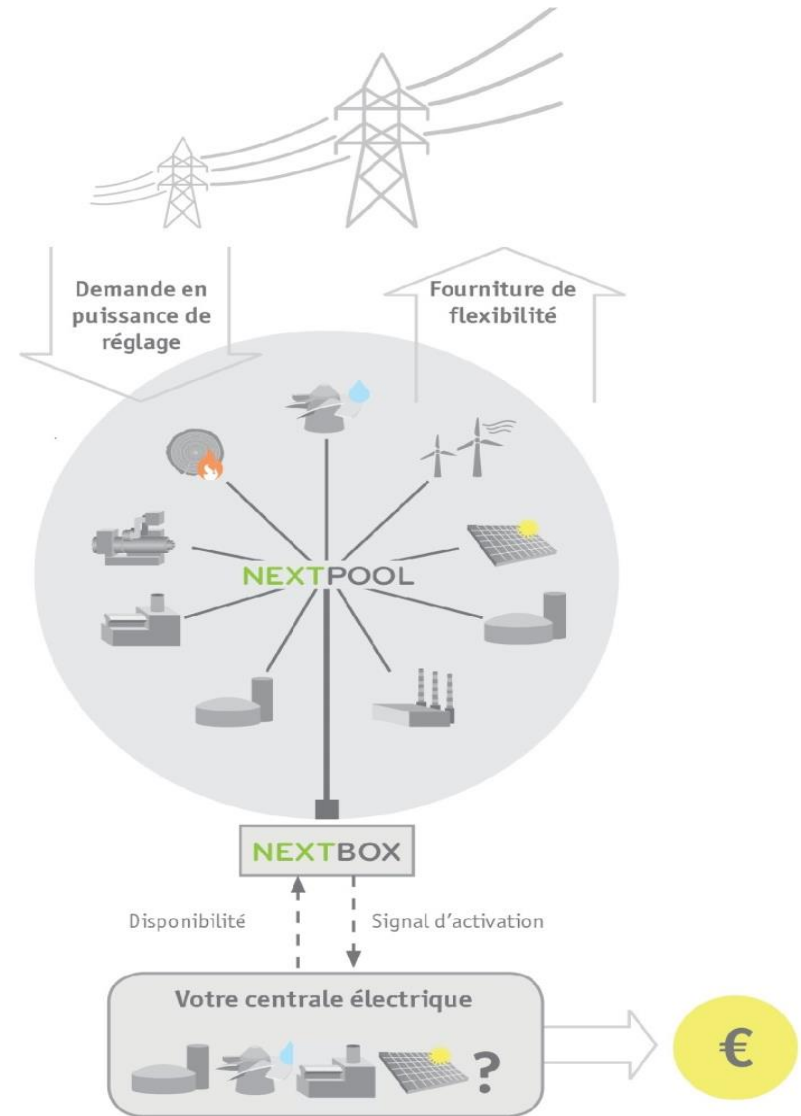
Virtual Power Plant

What is the structure?

Construction of the Next Pool

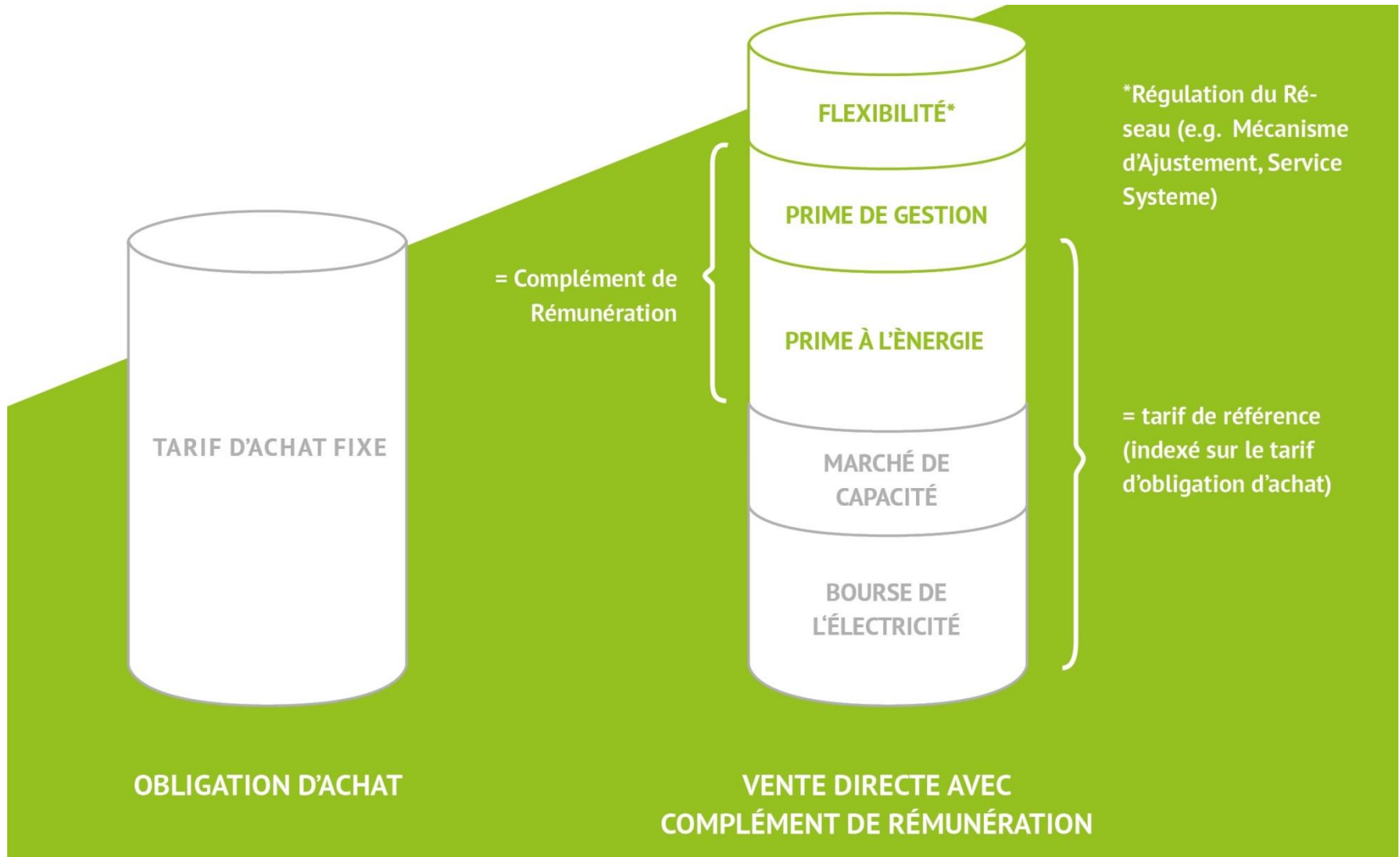
- The interconnected units are partly operated through the **central control room** of the Virtual Power Plant “Next Box”.
- The **objective** of a Virtual Power Plant is to relieve the load on the grid by smartly distributing the power generated by the individual units during periods of peak load.
- The combined power generation of the units in the Virtual Power Plant is sold by a **single trader on the energy exchange**.

➔ Virtual Power Plants gradually take over the role of traditional power plants – selling their output on wholesale markets and assuming responsibility for a balanced grid.



Political Solution: RES Law January 2015

Décret relatif au complément de rémunération et à l'obligation d'achat



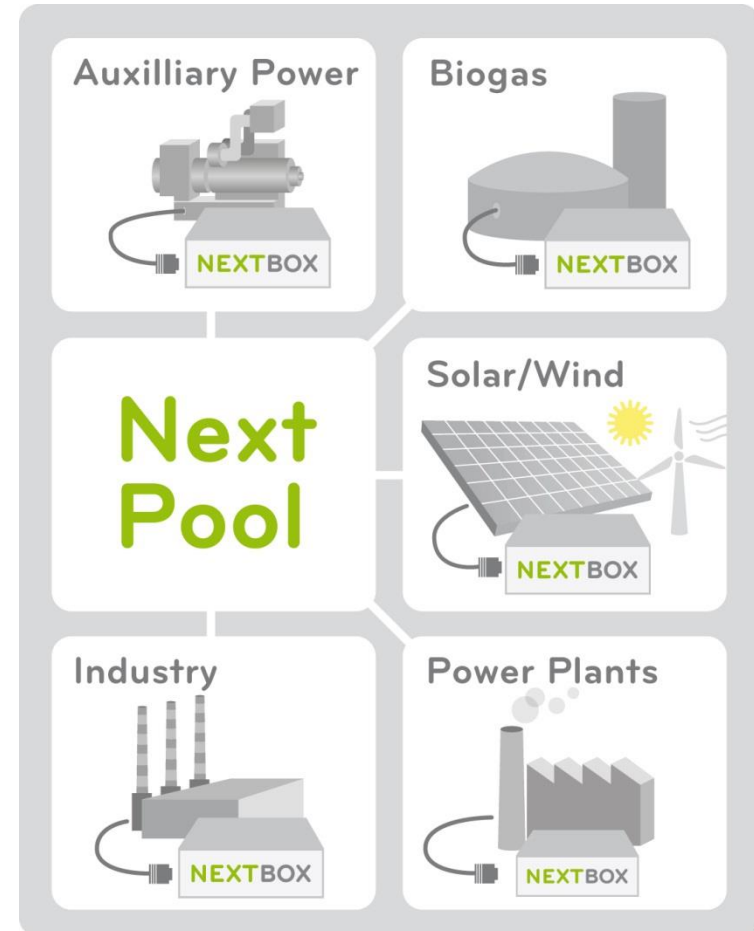
Next Kraftwerke

... more than a virtual power plant

Next Kraftwerke

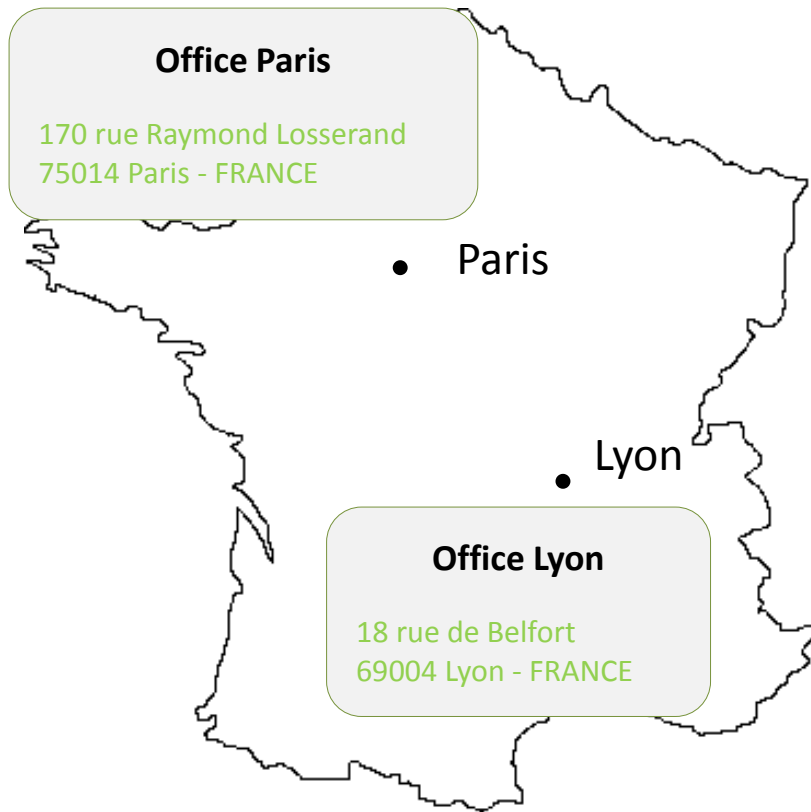
- Provider of **Flexibility** to the market
- **Founded in 2009**, continuous growth
- Business environment: **Transformation** of the global power markets
- **Revenue (2014): 180+ m€** (German power sector)
- Focus: German and European power markets
- **2,800+ units in the VPP**
- **1,500 MW** connected power

The Next-Pool



Team Centrales Next

...spread in three different locations



Contact details

This is how you reach us...

Centrales Next is...

- subsidiary of a fast-growing company in the environment of transforming global power markets
- a distributed team of specialists that can rely on the expertise of 100+ young and highly motivated experts in the departments of VPP, sales, trading, account management and communications
- providing solutions for the integration of renewable energy sources into power markets

Contact us



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