

Feed in Premium (FiP) with Biogas Power Plants, Experiences in Germany

DFBEE conference
Paris, March 2015

NEXT
KRAFTWERKE

CENTRALES
NEXT

Next Kraftwerke

... more than a virtual power plant

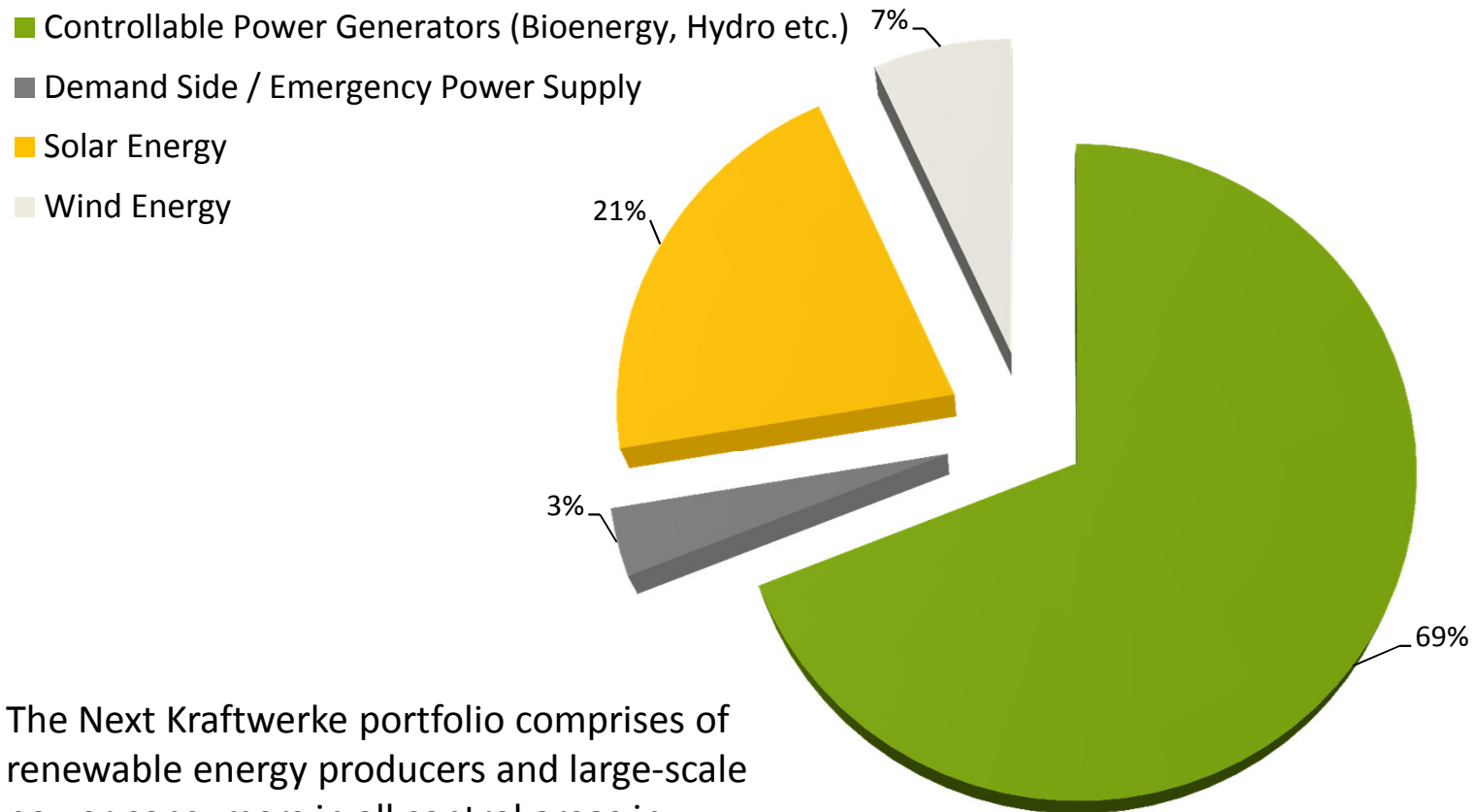
Next Kraftwerke

- **Founded in 2009** and since then a strong growing company in the environment of a transformation of the global power markets
- In **2015 revenues** of over **250 m€** in the german power sector
- Positive earnings and cash-Flow positive
- Independent company- **Shareholders: VC-Companies and founder**
- Focus on german and european power market
- More than 2500 units are part of the VPP

The Next-Pool



Portfolio



The Next Kraftwerke portfolio comprises of renewable energy producers and large-scale power consumers in all control areas in Germany, Belgium & Austria

Development of FIP in Germany

FIP possible since 2012

Geförderte Direktvermarktung nach § 20 Abs. 1 Num 1 EEG 2014 (mit Inanspruchnahme der Marktprämie)

	Wasserkraft	Gase (Deponie-, Klär- und Grubengas)	Biomasse	Geothermie	Windenergie onshore	Windenergie offshore	Solarenergie	Summe
Januar 2016	635,24	247,11	4.791,75	12,88	36.869,50	3.268,95	7.094,58	52.920,02
Februar 2016								0,00

Geförderte Direktvermarktung nach § 20 Abs. 1 Num 1 EEG 2014 (mit Inanspruchnahme der Marktprämie)

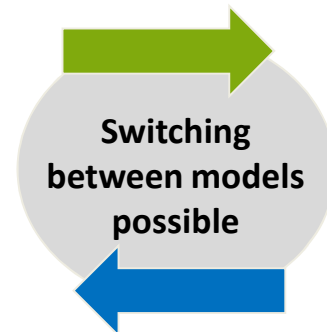
	Wasserkraft	Gase (Deponie-, Klär- und Grubengas)	Biomasse	Geothermie	Windenergie onshore	Windenergie offshore	Solarenergie	Summe
1 Januar 2015	667,63	268,45	4.745,05	9,38	32.607,93	1.264,60	6.022,88	45.585,92
2 Februar 2015	667,82	268,12	4.784,29	12,88	33.508,71	1.498,40	6.130,69	46.870,92
3 März 2015	689,90	266,77	4.807,97	12,88	33.827,58	1.653,10	6.246,75	47.504,96
4 April 2015	618,39	117,71	4.354,44	12,88	32.110,59	1.876,45	5.440,78	44.531,23
5 Mai 2015	626,84	108,73	4.498,84	12,88	33.137,10	2.213,10	5.704,47	46.301,96
6 Juni 2015	637,90	161,50	4.570,65	12,88	33.579,26	2.691,56	5.984,26	47.638,01
7 Juli 2015	641,20	220,11	4.609,16	12,88	34.097,71	2.925,56	6.193,91	48.700,53
8 August 2015	645,05	224,89	4.635,65	12,88	34.738,72	3.120,35	6.461,17	49.838,71
9 September 2015	662,60	240,24	4.670,03	12,88	35.007,60	3.268,95	6.641,39	50.503,70
10 Oktober 2015	676,35	244,66	4.695,44	12,88	35.379,88	3.268,95	6.667,49	50.945,65
11 November 2015	680,06	248,71	4.734,82	12,88	35.966,77	3.268,95	6.895,90	51.808,10
12 Dezember 2015	630,73	249,33	4.759,61	12,88	36.289,28	3.268,95	6.983,76	52.194,54

Political Solution: RES Law 2012

Second Model for RES-Operators: „Market“-Model

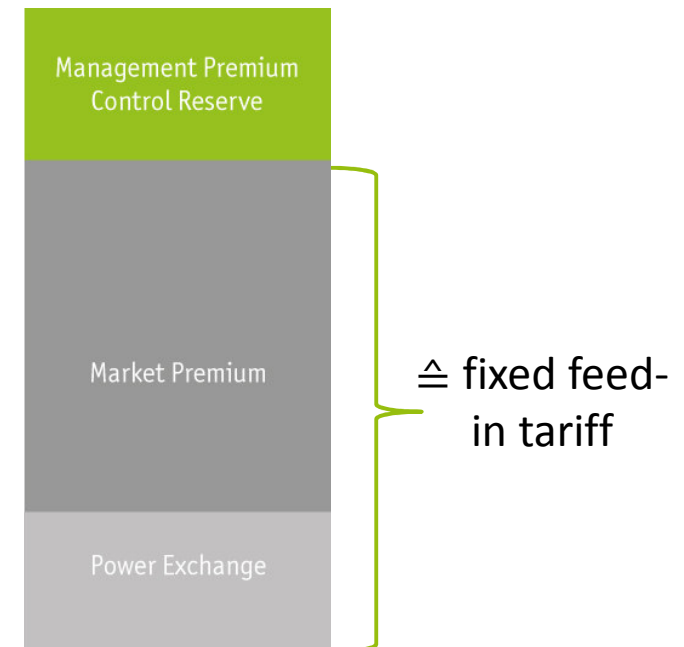
Feed-in tariff

- Fixed feed-in tariff depending on energy source
- No responsibility for the feed-in schedule: Produce and forget about it
- No upside potential at the market
- No access to reserve markets



The „Market“-Model

- Trading power at wholesale markets
- Variable premium model
- Option for reserve markets



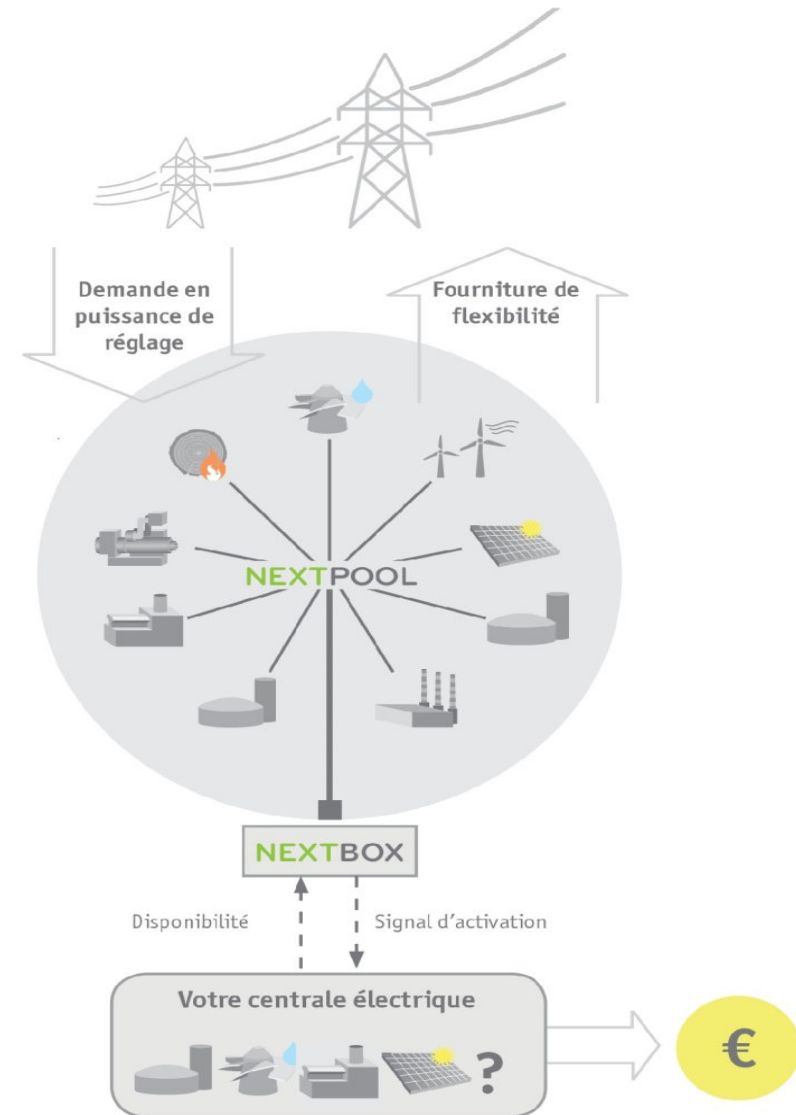
Virtual Power Plant

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.



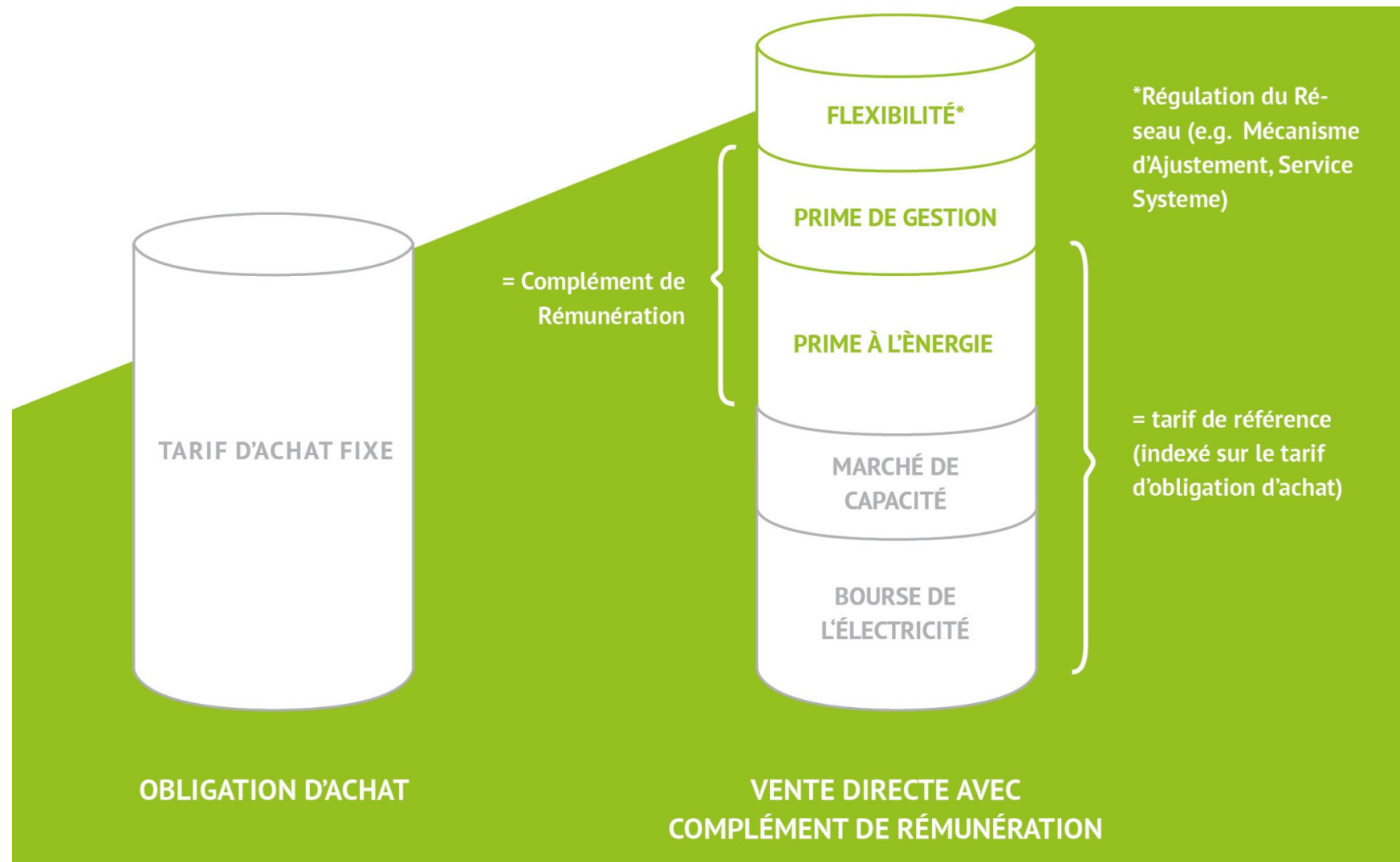
Demand orientated dispatch of a 750 kW unit

... on a peak/ off-peak level



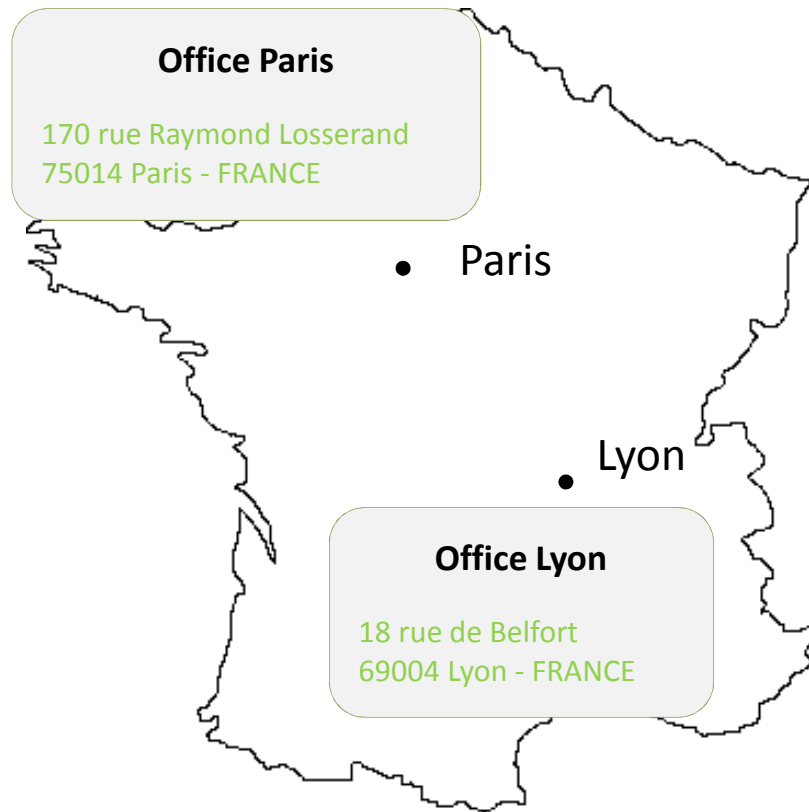
Political Solution: RES Law January 2015

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



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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