



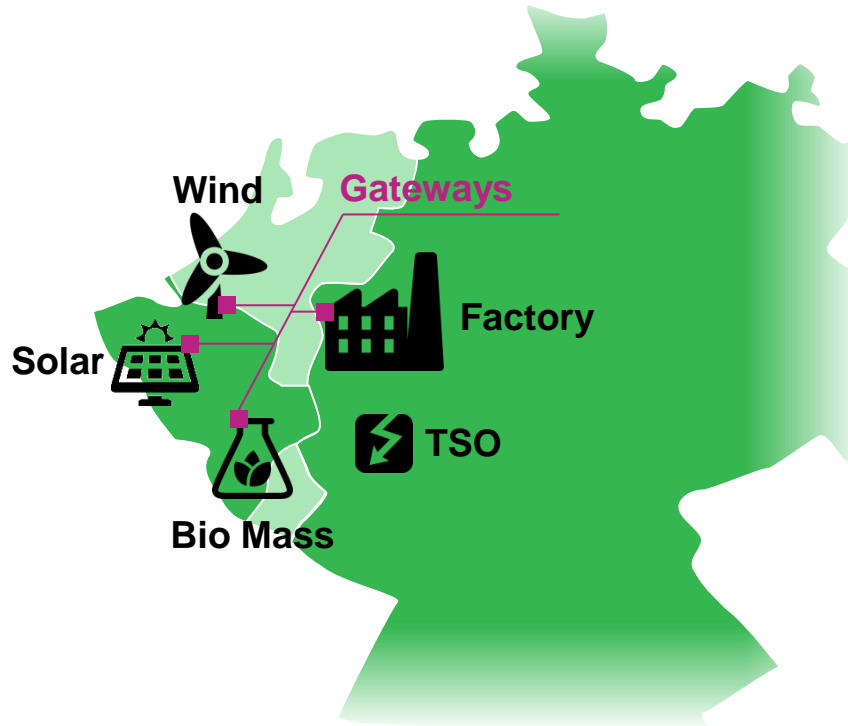
Work Package 3

Cross-border Virtual Utility

09.10.2013, Innovation Event, Horsens



B2B Energy Eco-System of WP3



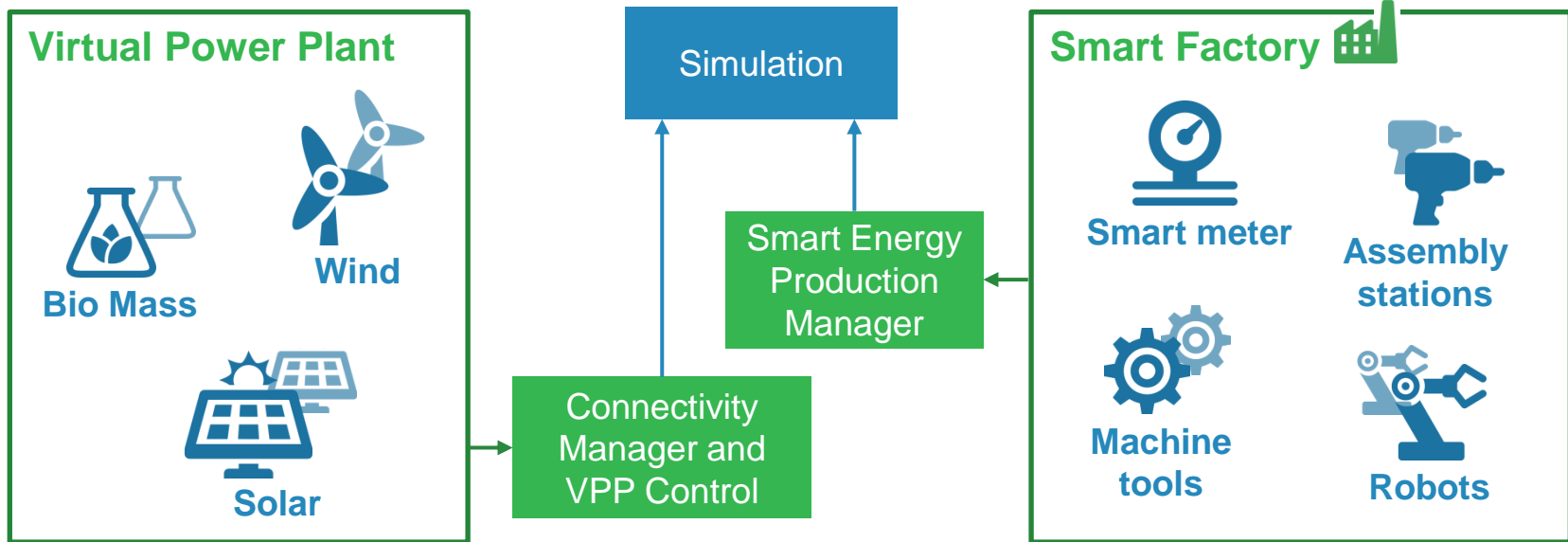
Objectives

- Combine renewable energy production with Demand Site Management to a Virtual Utility
- Combine different volatile energy production to guaranteed CO2 free certified energy
- Increase the part of renewable energy of the consumption of electrical energy

Trial setup

- Trial installation in Belgium and Germany
- ~10 renewable energy sources
- ~ 1 demand site

WP3 Trial Architecture





Ideas for innovations and applications

- Aggregation of typical energy load and production profiles
- User-friendly GUI and dashboard for energy monitoring
- Decision support system for energy-aware production
- Energy efficiency planner for SME customer
- Whatever you have in mind...

Constraints

FUTURE
INTERNET
SMART
UTILITY
SERVICES



Real-time

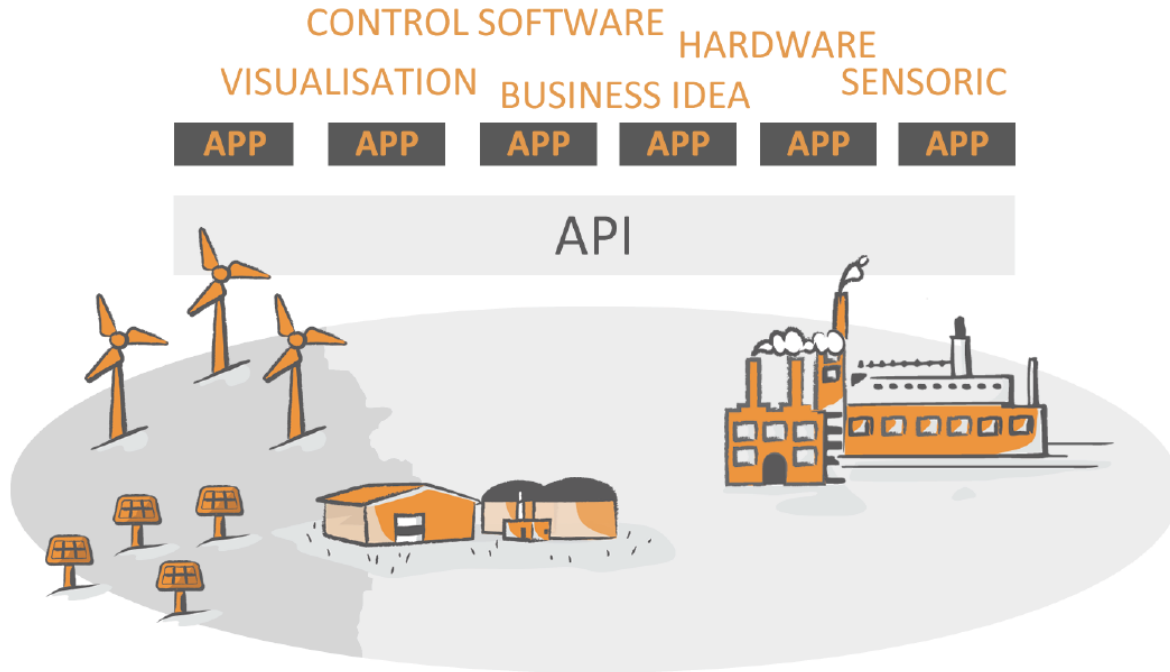
- End-2-End data management
- Security in critical infrastructure
- Production schedule aggregation
- Demand site response

Demand site management

- Energy schedule planning
- Production process steering through energy production

Access to trial site over API

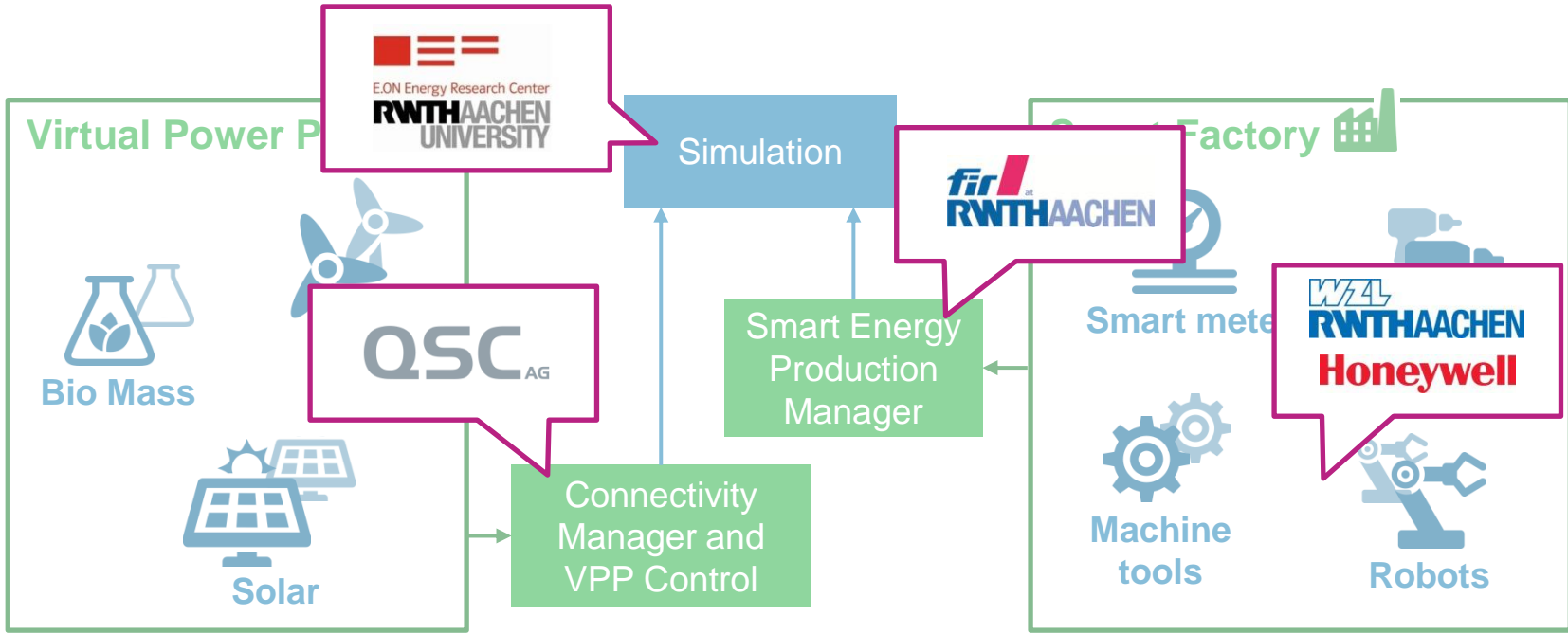
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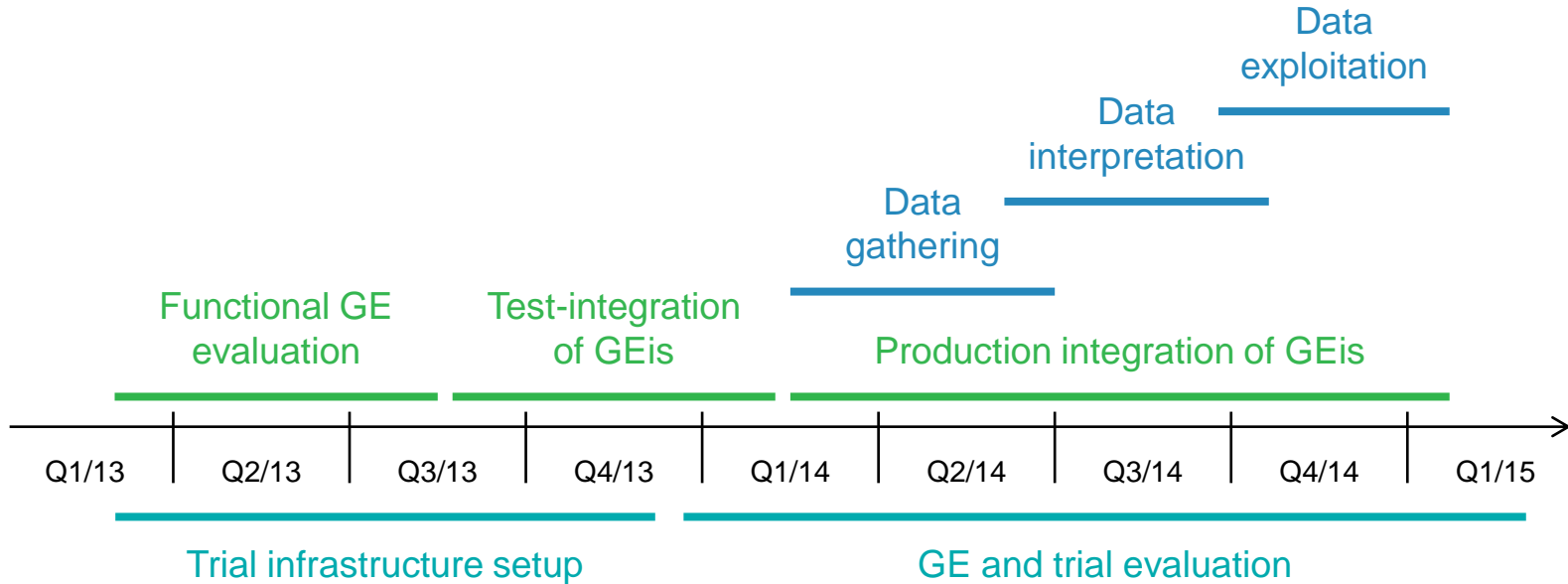
Who will you work with?

FUTURE
INTERNET
SMART
UTILITY
SERVICES

FINESCE



Timeline on integration





Good luck!

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