

Los nuevos retos para la integración de la red y la operación del sistema.

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“ Que es Futured...??? “



“ Misión de Futured...??? “

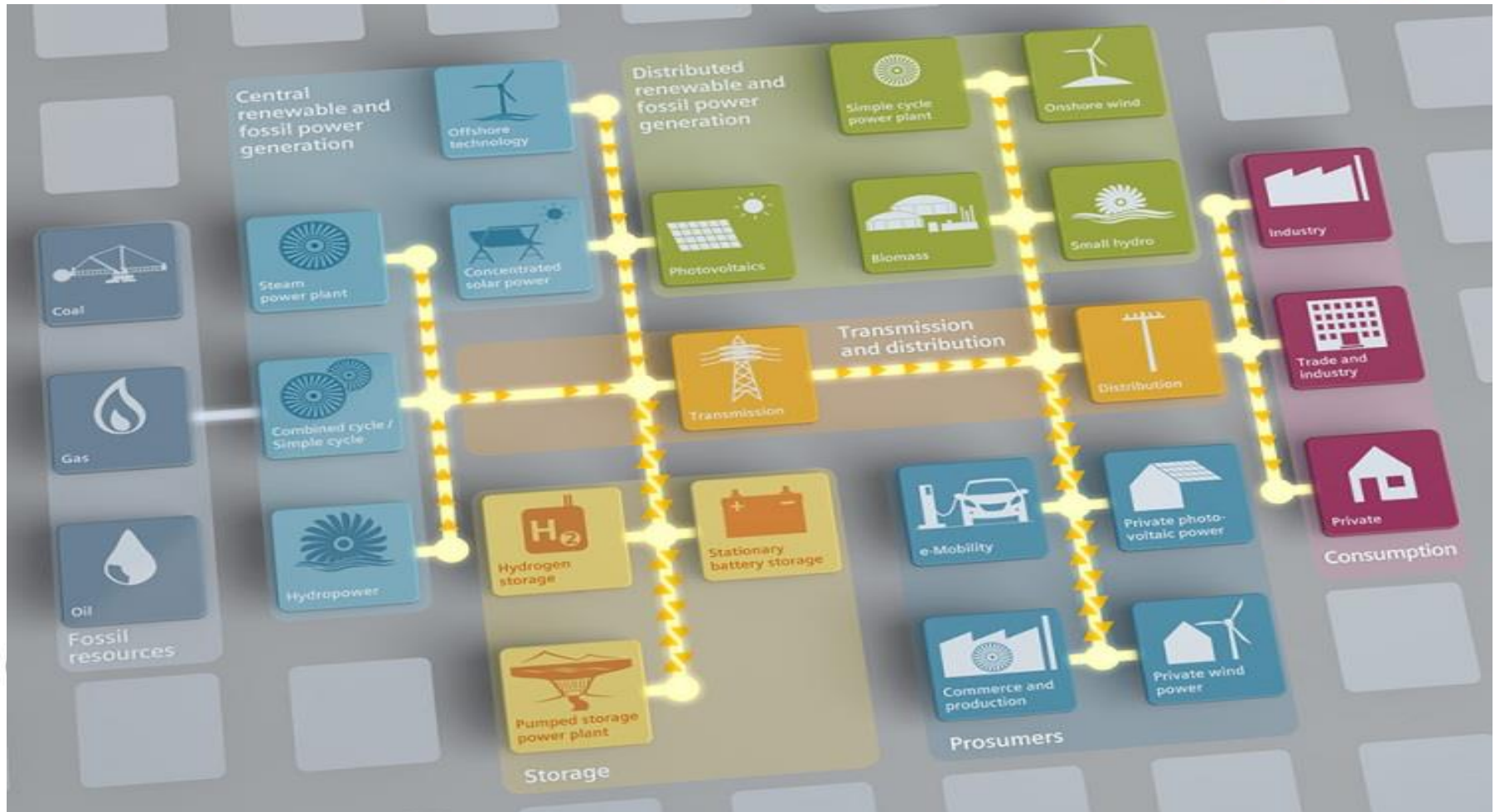


“ con el objetivo de facilitar la evolución de la red, y aprovechar las oportunidades industriales que surgirán ...





La red eléctrica.. En constante evolución...



“ La transición energética”



COMMITTED TO
IMPROVING THE STATE
OF THE WORLD

The Future of Electricity

New Technologies

Transforming the Grid

Edge

In collaboration with Bain & Company

March 2017

Three trends of the grid edge transformation

ELECTRIFICATION

Critical to long-term carbon goals and will be a relevant distributed resource

Key technologies:
Electric vehicles,
vehicle to grid/home,
smart charging, heat
pumps



DECENTRALIZATION

Makes customers active elements of the system, though requires significant coordination

Key technologies:
energy efficiency,
solar PV, distributed
storage, microgrids,
demand response,



DIGITALIZATION

Allows for open, real-time, automated communication and operation of the system

Key technologies:
Network technologies
(*smart metering, remote control and automation systems, smart sensors*)
and beyond the meter
(*optimization and aggregation platforms, smart appliances and devices, IoT*)





“ La transición energética”

As a result of the changing energy system, the network will require unprecedented **visibility, high-granularity monitoring and controllability** to allow better forecasting and active management of energy flows. To this end, we will deliver three things...

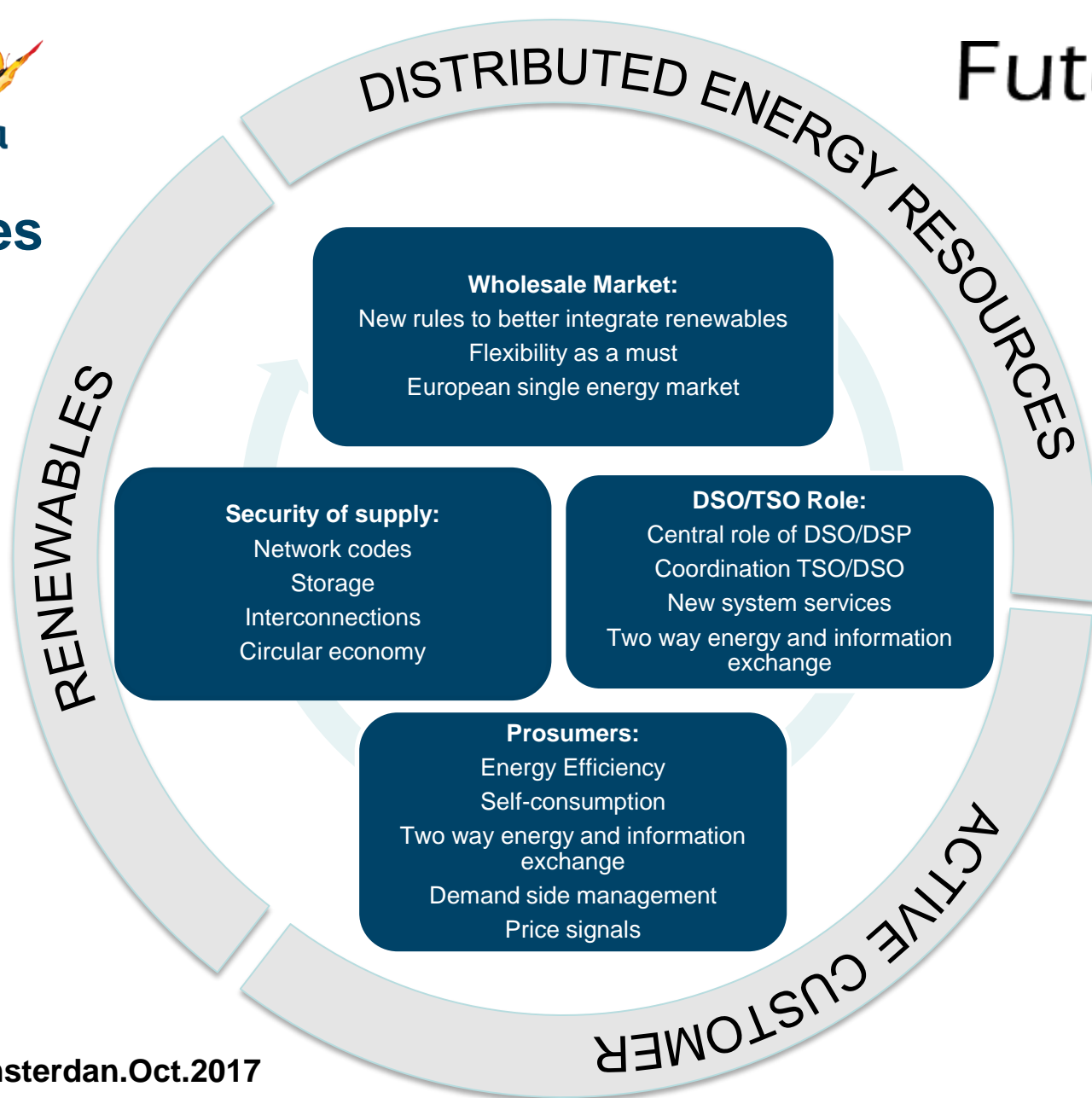
...Coordination with the GB System Operator to allow for effective system balance...

...Improved energy profiles that act as a baseline for future energy forecasts, enabling better informed investment in fixed infrastructure...

...Alignment of asset, operation and spatial data to allow interoperability between networks...



Action lines



Source:

Blanca Losada

Utility Week Amsterdam.Oct.2017

Conclusiones:

La red eléctrica ... en constante evolución...

.... ahora ..”aceleradamente”

La red elemento central de la “ transición energética ”..

Gran oportunidad para la innovación

.... Tecnológica y en modelos de negocio..

Se producirá con nosotros o sin nosotros...

Factor decisivo ..” time to Market ”

La colaboración como forma de “llegar a tiempo”..

Las plataformas .. “ Entorno apropiado ”

**GRACIAS
POR SU ATENCIÓN**

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