Electrons and bytes

How data and innovation will drive the digital DSO

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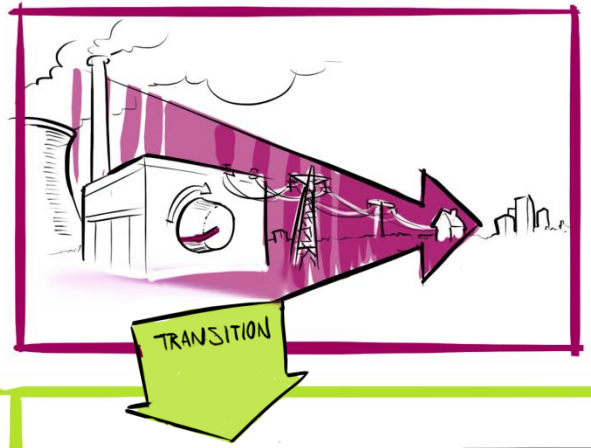
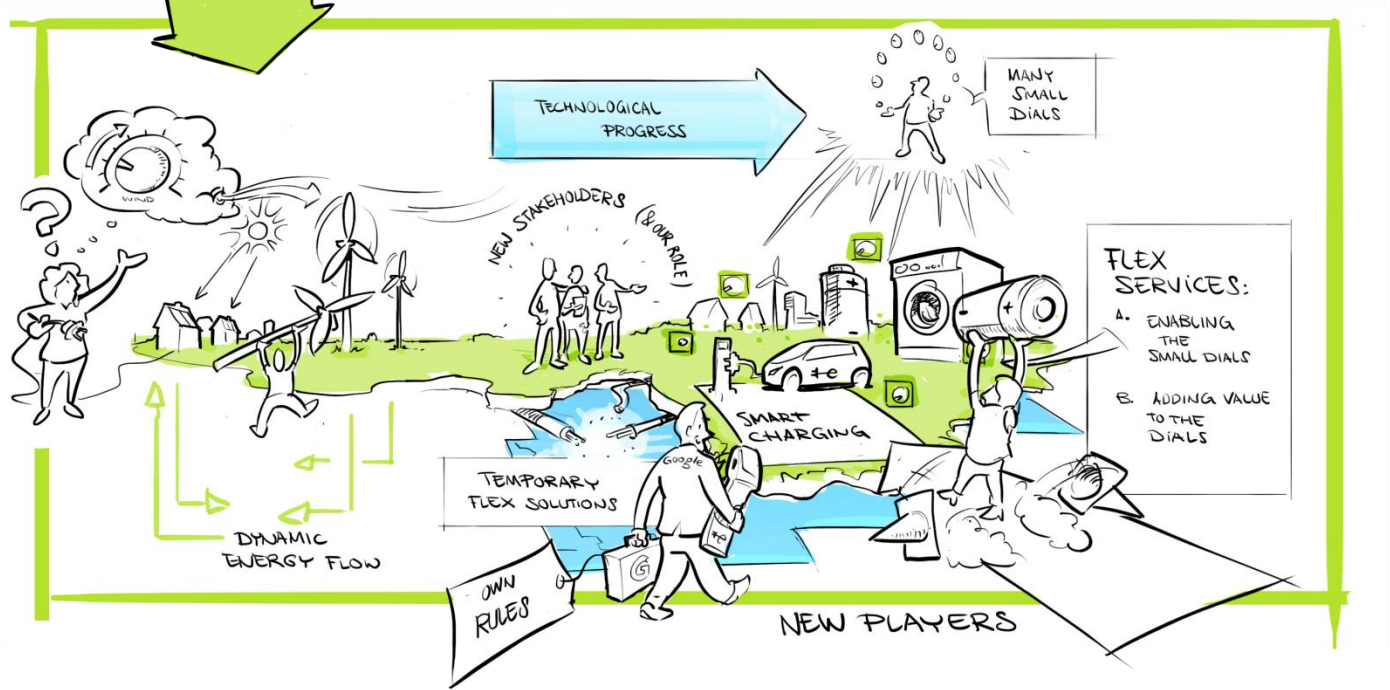
#SWIS16

ENEXIS





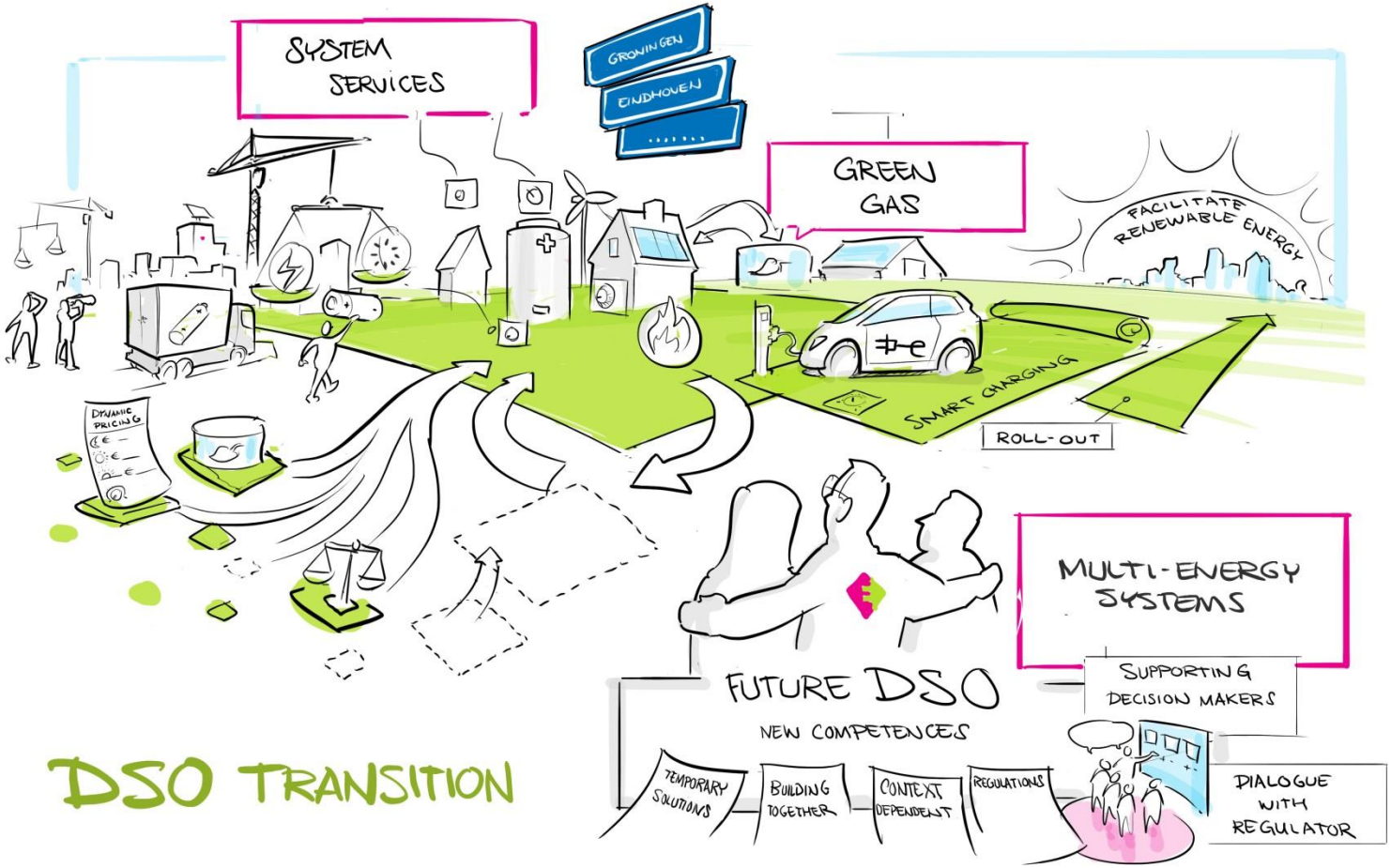
Introduction

The energy value chain is transforming rapidly:

- Renewable energy
- Decentralisation
- New energy services
- Flexibility and data

New players in the field.

Enexis actively shapes the transformation to a sustainable energy system.



Themes

Three important themes:

- System services and EV; prepare for a million electric vehicles in 2020.
- Green gas
- Multi Energy Systems; advise on the optimal local mix of energy sources and infrastructure.

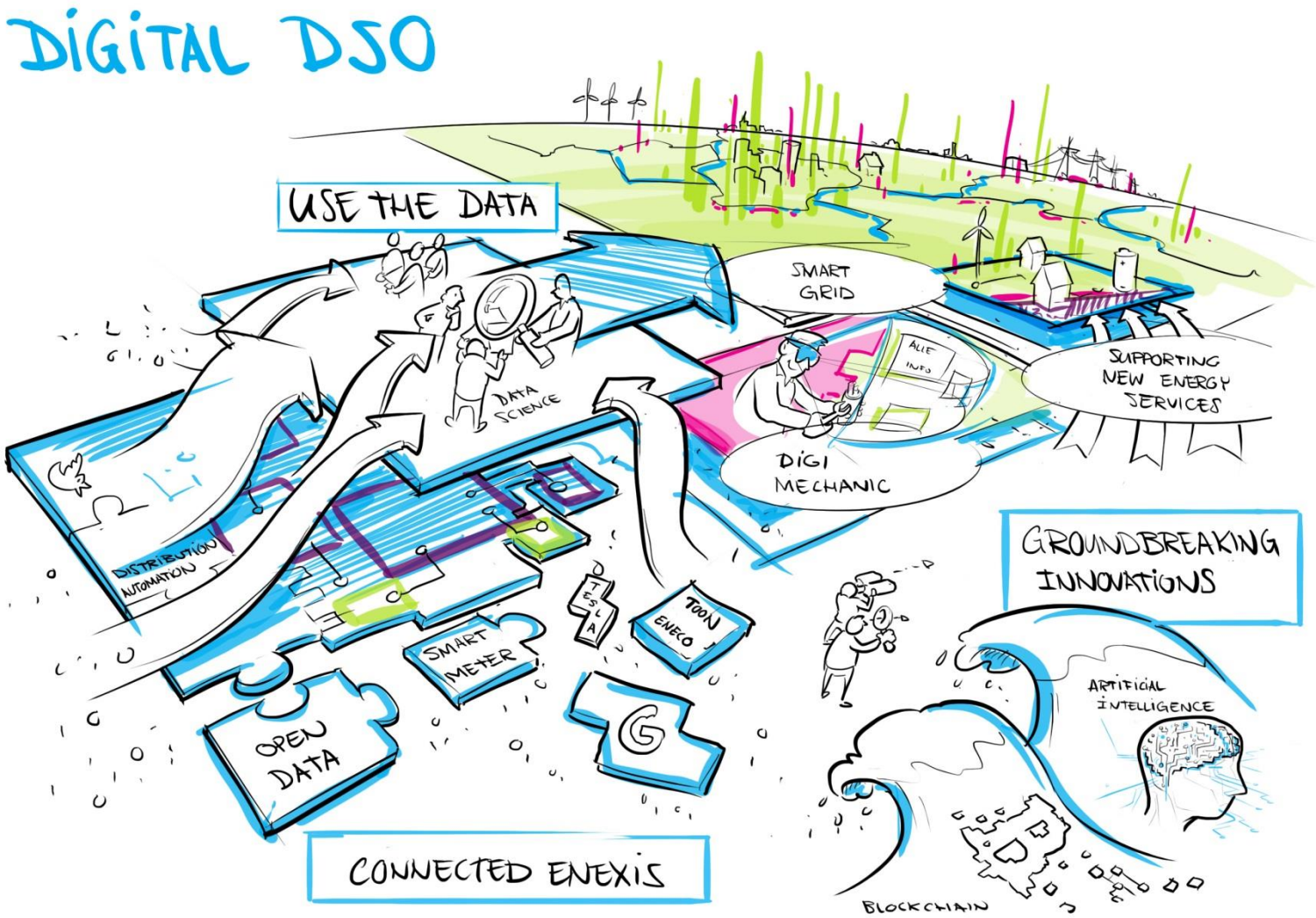
Digital DSO

Data becomes a very important asset for Enexis:

- Explosive growth in the amount of data in our society.
- Data-based services have dramatically changed our economy and daily lives.
- E.g. for one application we expect 5GByte of data per hour (40k devices).

Data communications is a key enabler; Enexis Private MVNO solution.

We strongly believe in LTE and the massive market power behind this.



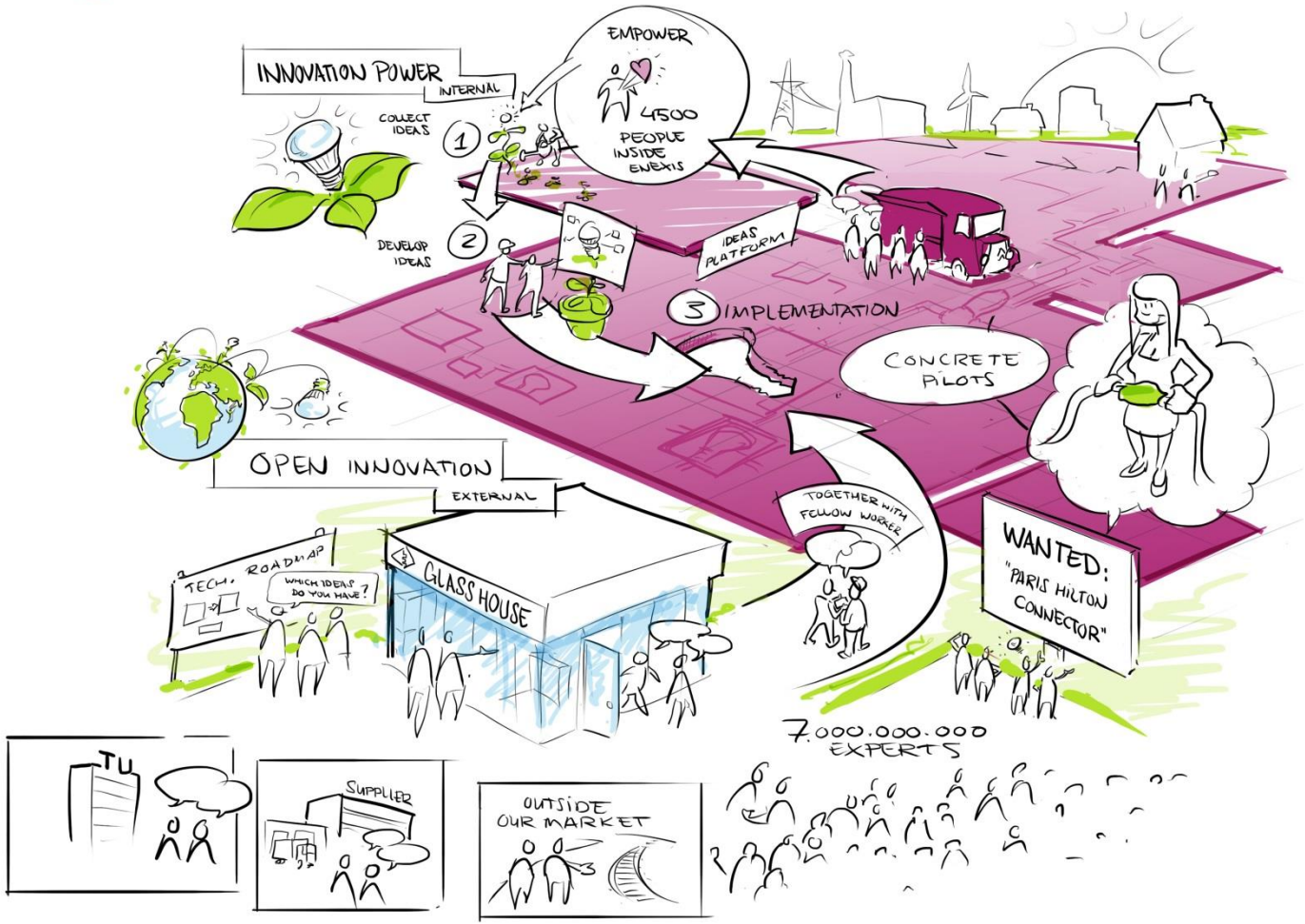
Digital DSO components

We identify three major aspects of the digital DSO:

- Connected Enexis
- Use the data
- Groundbreaking innovations

We will create an intelligent grid by realising the right combinations of data, new technologies and smart algorithms.

NETWORKINNOVATION



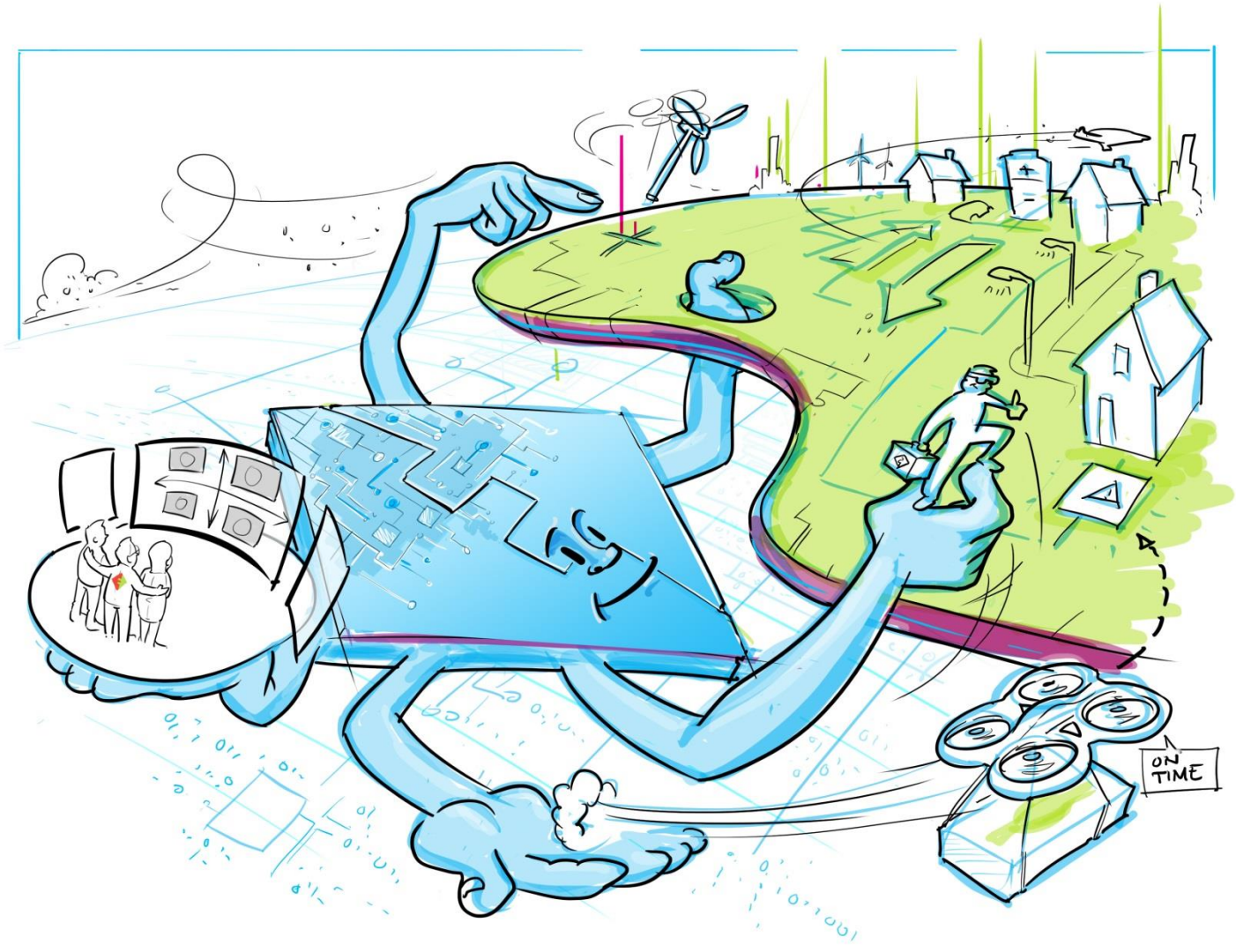
Innovation is key

Innovation contributes to the transition towards a sustainable and affordable energy supply.

- ❑ Empower our own people.
- ❑ Open innovation; leverage on a massive worldwide network of experts.

New, lower cost modules like LTE-M and NB-IoT will enable new applications for us:

- ❑ Distribution Automation Light (see enexis.nl/dali)
- ❑ Sensors, tracking etc.



Thank you !

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