

# Changing customer behavior from a modern energy company perspective

ELMŰ-ÉMÁSZ · Tamás Jászay · 20th October 2017

#### Introduction

Strategic partnership

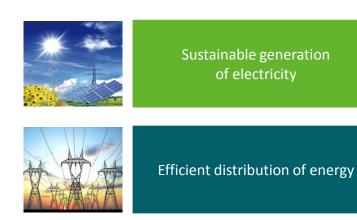
### Unique asset mix and diversified European footprint

Leading positions across countries in Europe with unique asset profile



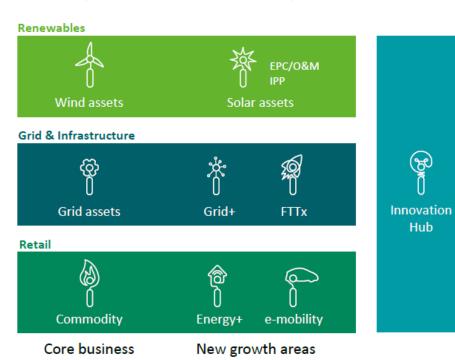
#### Introduction

## innogy's strategy in line with energy transition targets



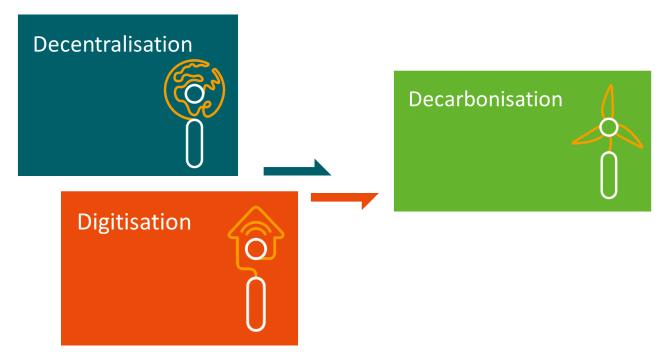


Products and services that meet needs



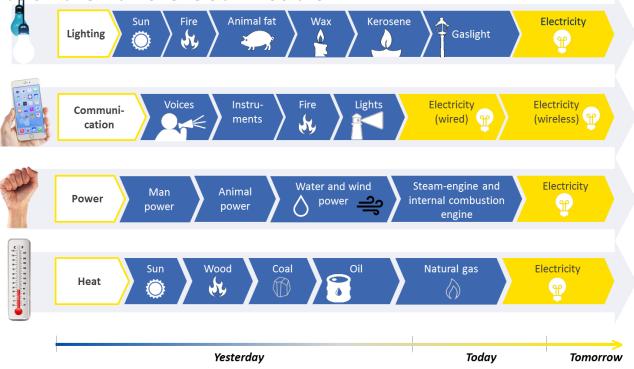
The New Energy World

We understand the megatrends which are challenging the energy industry and we provide solutions



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Game changers in the energy sector to meet basic needs – the actual trend is electrification



N

5

answers

#### elmű·émász

# New players, new platforms, new business models emerge in the energy industry



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### Partnerships overcome lonely wolves



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# innogy Innovation Hub: driving the change through innovation & partnerships



#### The New Energy World

# Empowerment via Conjoule, a P2P energy market



You choose, which consumer you want to supply with your energy.



You offer local companies and public institutions an environmental friendly energy source.



You can analyse the performance of your photovoltaic system on a regular basis.



You support the development of local structures and contribute to grid efficiency.



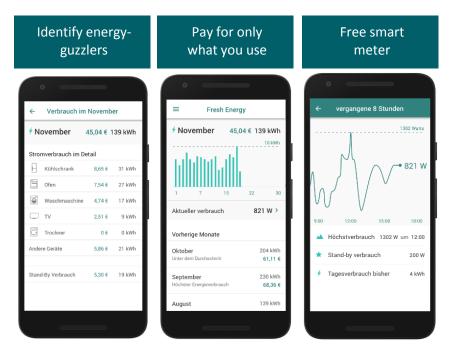
2 pilots in Essen & Mülheim

Conjoule has a clear vision to create tomorrow's energy system: it's decentralised, digitised and customer friendly. It follows the idea of the 'sharing economy' where consumers can buy energy directly from their neighbourhood via Conjoule's platform.

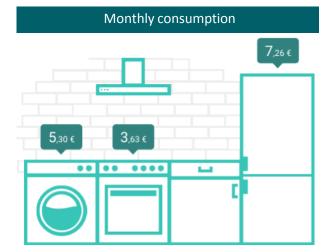
/Thomas Birr/

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# Fresh Energy: the first digital energy provider to drive energy consciousness



"Fresh Energy gives you the transparency, the knowledge and the possibilities: Now the power is in your hands."

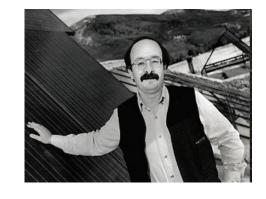


#### The New Energy World

### What does energy mean to our customers?

/Amory Lovins/

"People don't want raw kilowatthours or lumps of coal or barrels of sticky black goo. **They want hot showers, cold beer**, comfort, mobility, illumination."





Even more true, as we enter the new, service-bundled energy world...

Part of **innogy** 

#### elmű·émász

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#### B2C customer of the future...

uses home battery system

is energy conscious

drives an electric vehicle



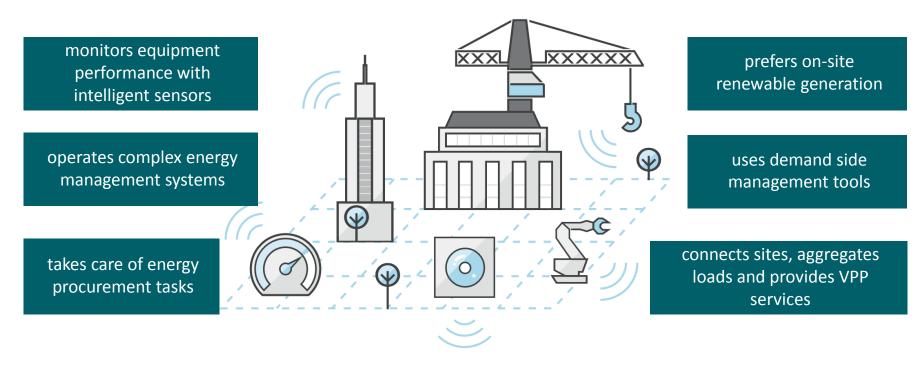
generates electricity via PV and sells the surplus

contacts the supplier on digital channels

uses smart, connected devices and automated processes

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#### B2B customer of the future...

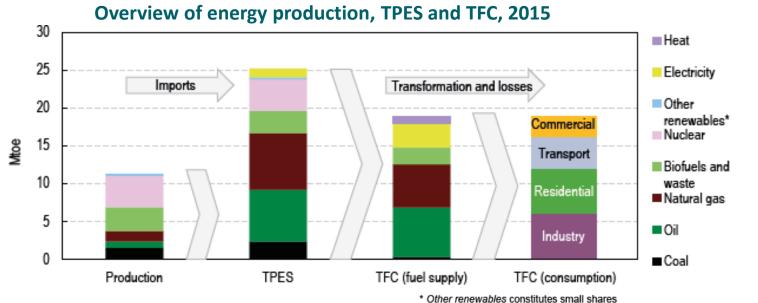


Part of innogy

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Hungarian market

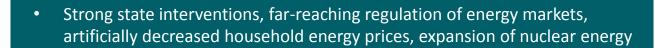
# Key data of the Hungarian market – exposure to energy import



- TPES per capita below European average
- TPES per GDP above European average

### Facts&figures







- Regulated household gas and electricity prices among the lowest in the EU
  - Free industrial gas and electricity market, prices in the mid to late zone in EU comparison



• High VAT (27%), Robin-Hood tax (31% over 19% of corporate tax, i.e. a total of 50%), cable tax (125 HUF/m), product tax for solar energy. EU infringement process to acknowledge sectoral taxes



- CO<sub>2</sub> goals have already been met, a very modest support of renewables, subsidies to achieve energy efficiency using EU funds
- Share of RES: 14,5%\* in gross final energy consumption, 10,5%\*\* in gross electricity generation (2015)

#### Hungarian market

# Pioneering activity of ELMŰ-ÉMÁSZ in Hungary







