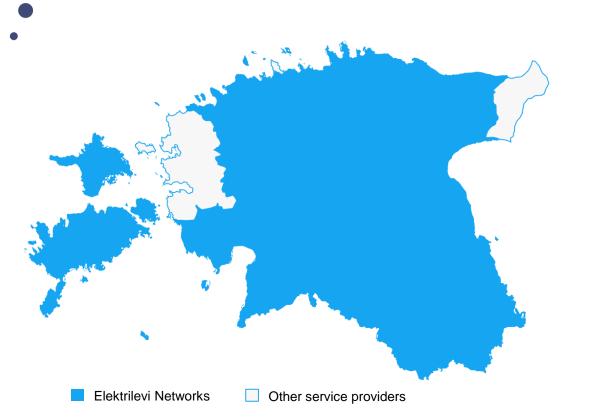


ELEKTRILEVI – ESTONIA'S DISTRIBUTION NETWORK OPERATOR







Electricity demand growth

20 000 TWh	26 000 TWh
2015	2030

Data traffic growth

26 000 GB/s	105 800 GB/s
2016	2021

Distributed generation (DER)

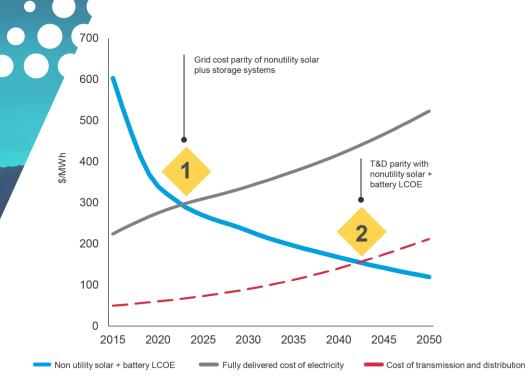
250 GW	1750 GW
2016	2030

Source: 1. Global EV Outlook 2017 2. Cisco VNI, 2017. 3. PV Status Report 2017



THE RACE IS ON - NEW TECHNOGLY VS. GRID!

- A new level of efficiency
- New challenges to integrate, control and steer all DER
- An enabler of new business models



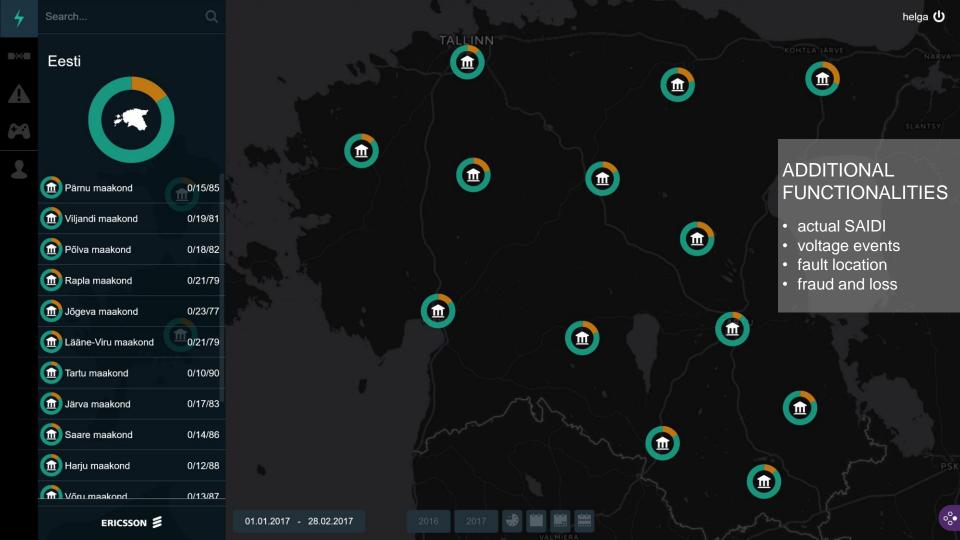


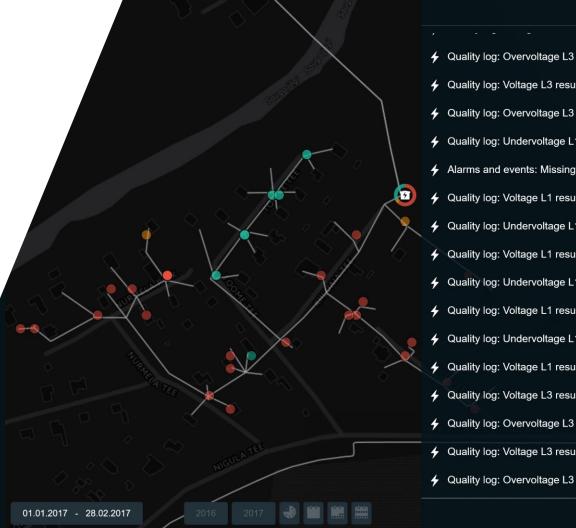


OUR SUCCESS: SMART METERS

- 100% smart meters + smart metering
- Reduced network losses 5.7% => 4.1%
- Client satisfaction has doubled
- Improved grid planning & investments
- 15m hourly based consumption data big data opportunities







REMOTE

READING

MAKES THE

GRID VISIBLE -

MAINTANANCE

PREVENTIVE

04/01/2017 21:15:44 04/01/2017 21:15:49 04/01/2017 21:17:31 04/01/2017 21:17:59 ★ Alarms and events: Missing ne... 04/01/2017 21:18:24 04/01/2017 21:23:21 04/01/2017 21:24:03 Quality log: Voltage L1 resume 04/01/2017 21:24:50 04/01/2017 21:24:57 04/01/2017 21:25:18 04/01/2017 21:26:28 Quality log: Voltage L1 resume 04/01/2017 21:27:02 04/01/2017 21:27:29 04/01/2017 21:27:42 04/01/2017 21:27:49



04/01/2017 21:27:58





ELECTRICITY EVERYWHERE - with minimum CAPEX

- We will substitute the classic grid investment with off-grid solutions
- Allowed in legislation
- Around 1000 connection points the investment is worthwhile
- Long-term effect 30-50 m€



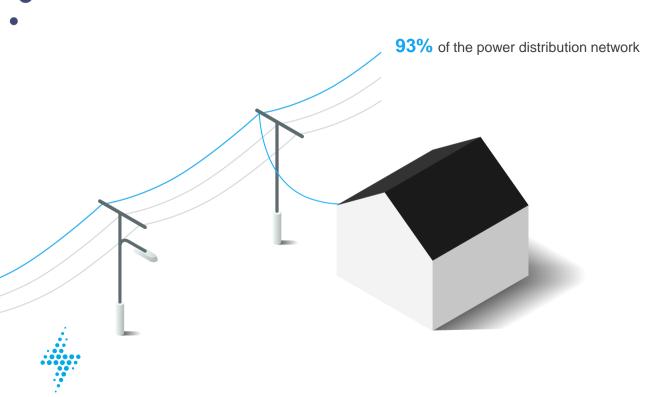


COST CUTTING BY PV PARKS

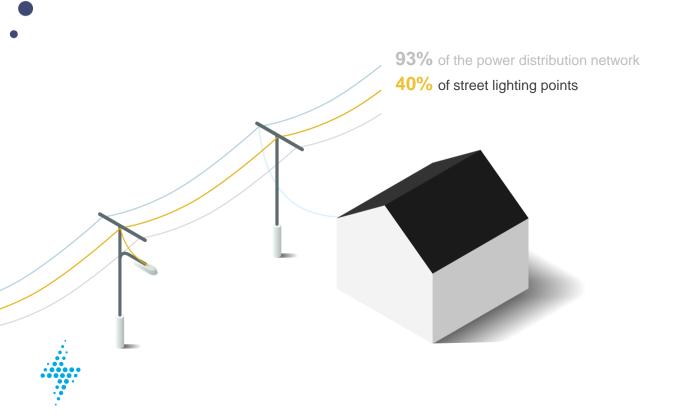
- We target to generate network loss via PV capabilities
- Around 50% i.e. 150 GWh can be generated via PV parks owned by DSO
- TOTEX decrease up to 2m € per year





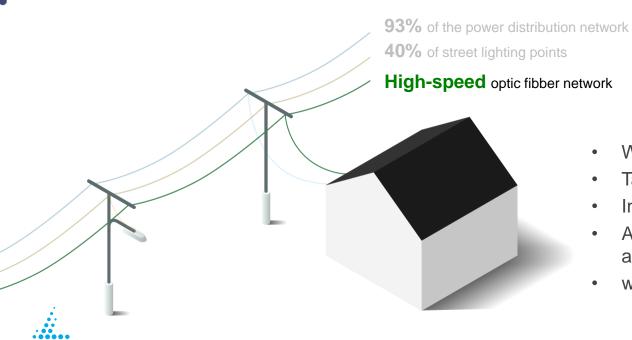








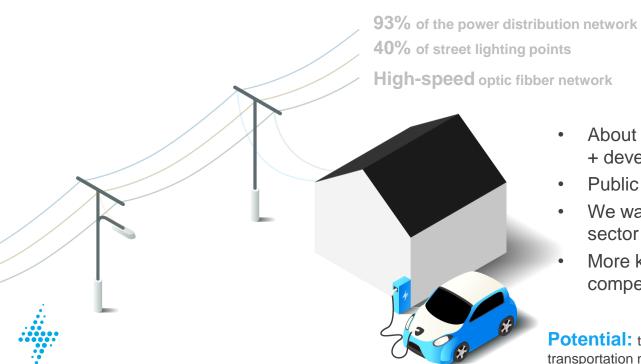
JOINT MANAGEMENT OF INFRASTRUCTURES – A STORY OF VALUE



- We great new "market place"
- Target by 2023: 0,3m clients
- Investment up to 200m € within 5Y
- After stabilization the OPEX split among grid & fibber
- win-win-win outcome



JOINT MANAGEMENT OF INFRASTRUCTURES – A STORY OF VALUE



- About to obtain 160 charging stations+ development plan
- Public transportations: trains & buses
- We want to be the "spokesman" of the sector
- More kWh in grid the more competitive is the price

Potential: the development of the electric transportation network



COMBINED MANAGEMENT OF INFRASTRUCTURES – A STORY OF VALUE

