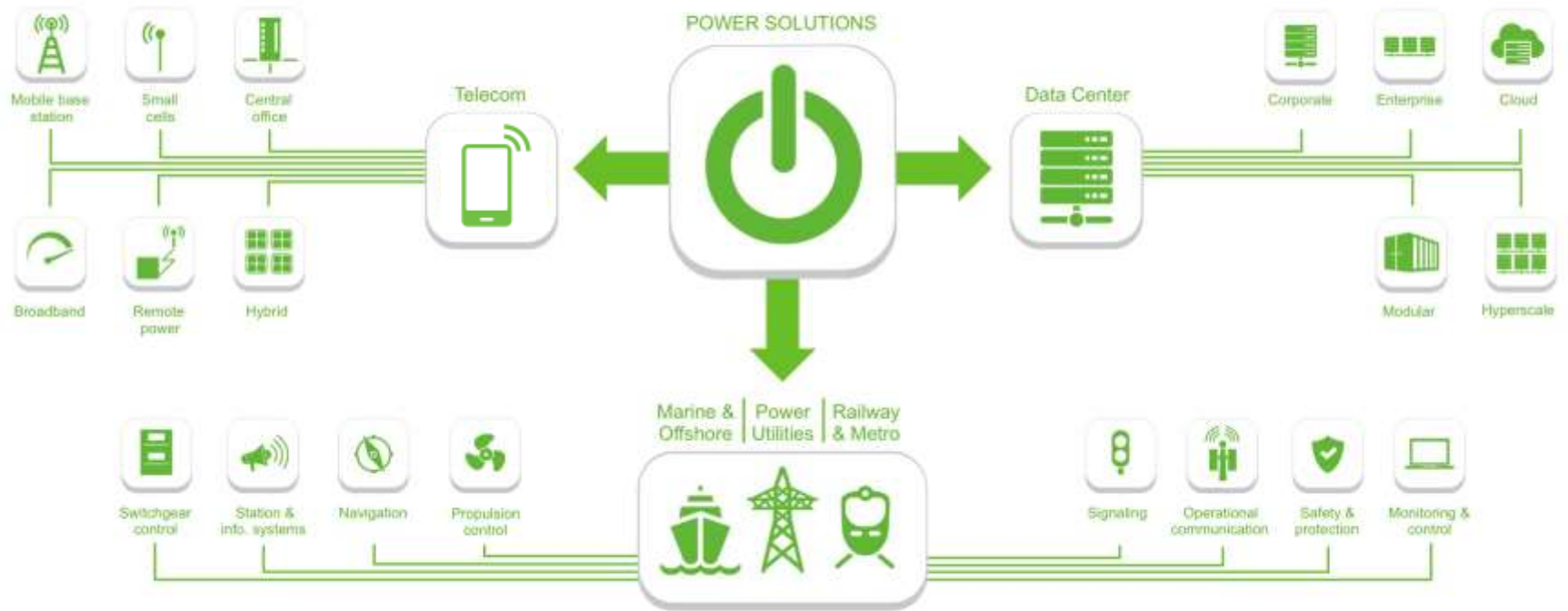


Future in Power Conversion

Garvin Scheuermann, KAM
6/18/2018

Powering the world's infrastructure

Eltek Mission



Global Mega Trends



Telecom



Data Center



Artificial
intelligence



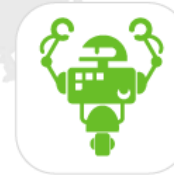
Big data
Connectivity



Energy
efficiency



Technological
breakthroughs



Automation

5G

Decarbonisation
Digitalisation
Decentralisation

Pope Benedict announcement 2005



Pope Francis announcement 2013



5G Mobile, IoT, Smart Cities and Industry 4.0

Exponential growth in data traffic

11X 

Growth in smartphone traffic
between 2015 and 2021
driven by video

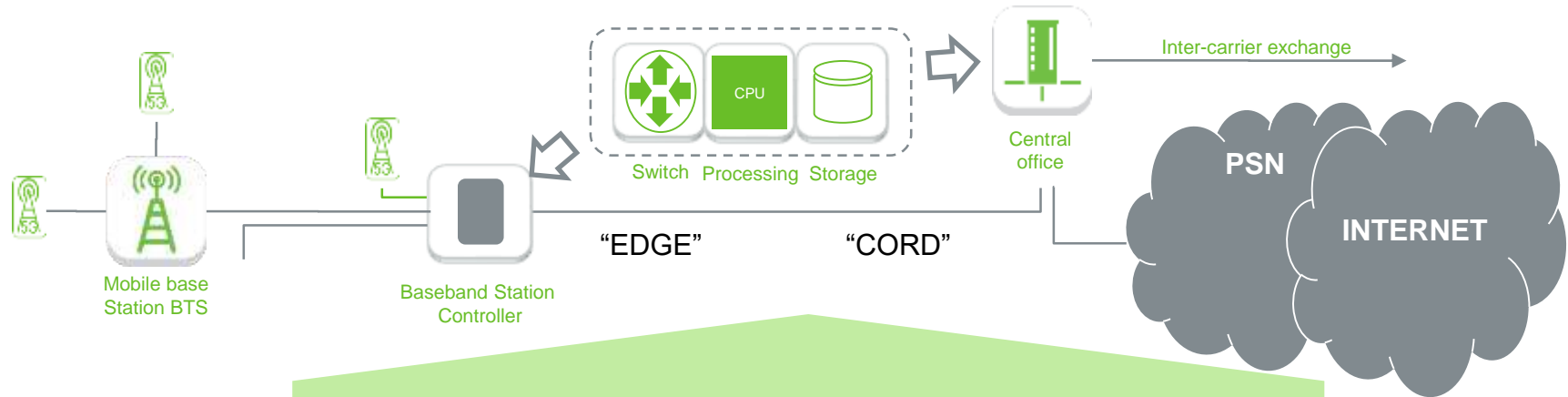
9,1 

Billion Mobile subscriptions
by the end of 2021

1,5 

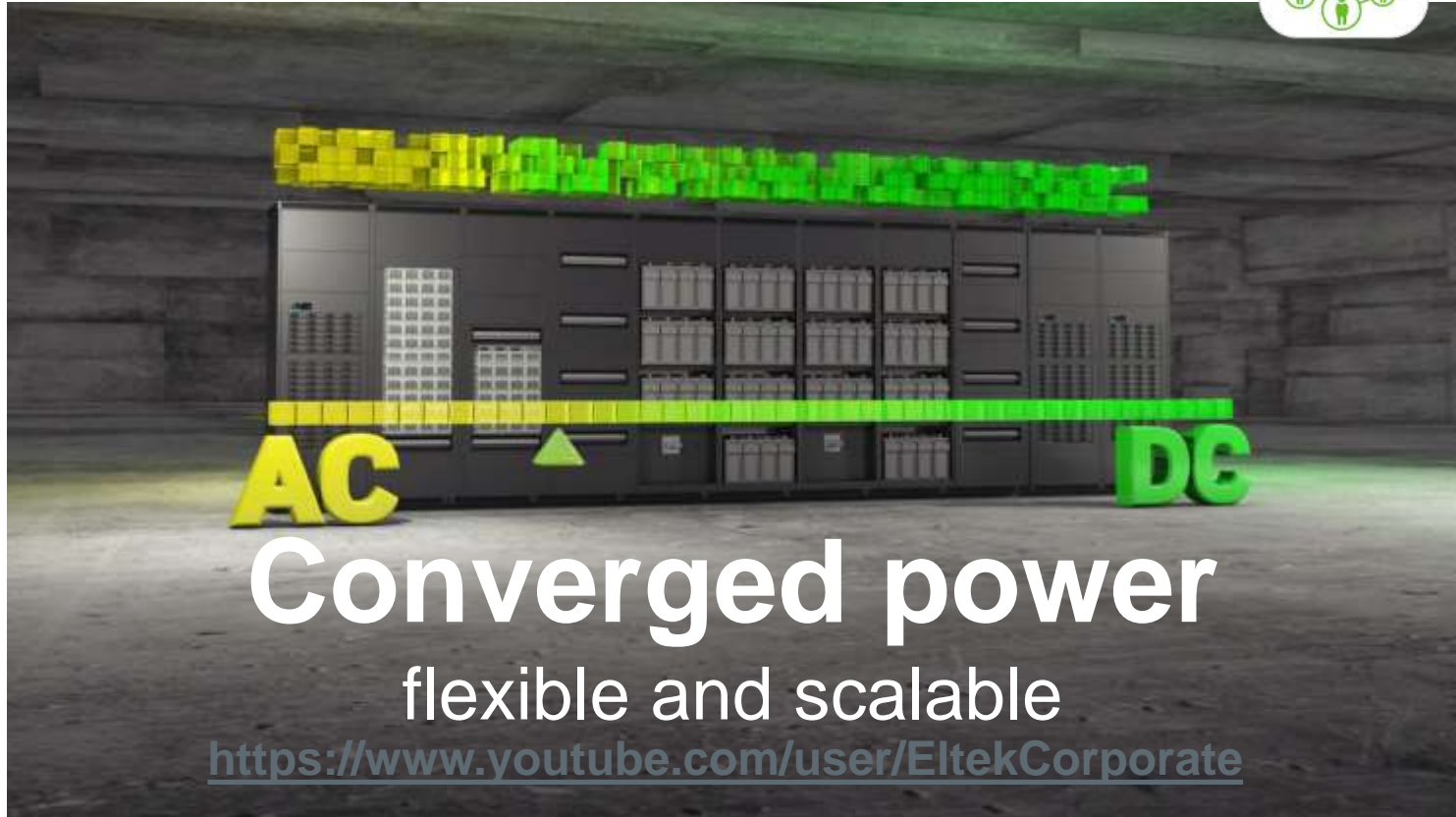
Cellular connected IoT devices
by the end of 2021

Network transformation

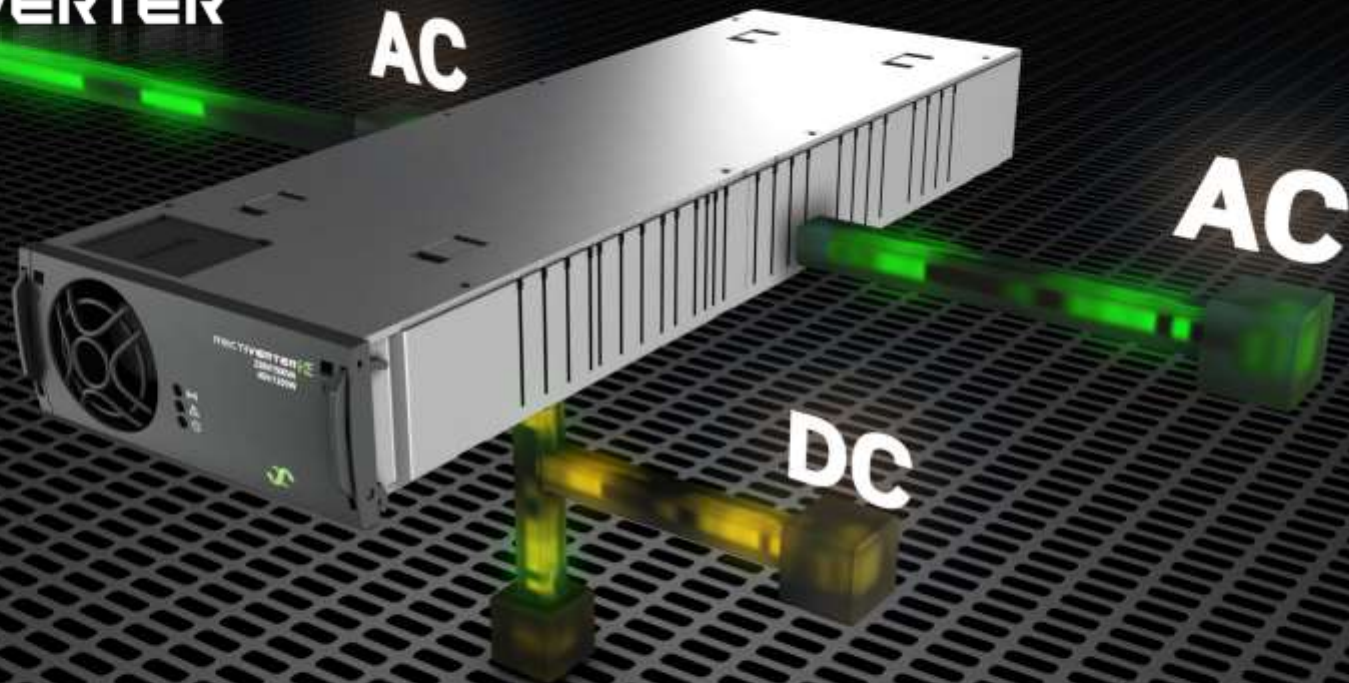


- Existing 5G equipment requires AC, dual power solutions expected 2019
- 5G Rollout from 2019, full scale from 2020
- Key question for nodes: Will backup be required?

CORD Solution



EDGE Solution RECTIFIER



**Probably the smallest UPS in the world
– almost fits in your pocket (2kW)**

Experience the power.

The world needs more energy,
greener and safer,
that can be used more efficiently.

- We make it happen!

Eltek Deutschland GmbH

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E-Mail: Garvin.Scheuermann@eltek.com

Internet: www.eltek.de

The top half of the slide features a decorative background of numerous thin, wavy green lines that flow from the left side towards the right, creating a sense of movement and depth.

Products and Technology.

Solutions for the Future

Appendix

ELTEK'S core competency: taking input from any kind of source and feeding it out to any kind of load, more reliable and efficient than anyone...



Globally leading **power** technology provider with technology installed base across 110+ countries

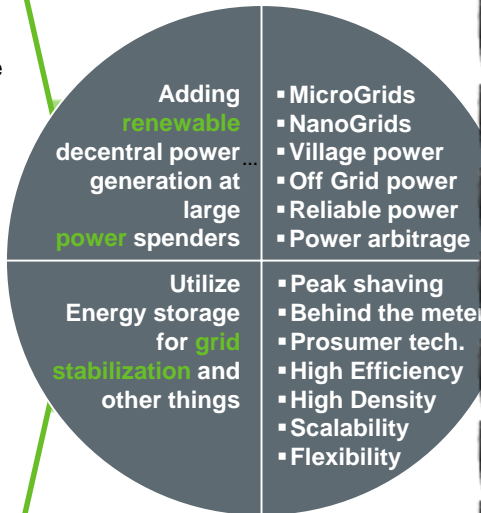
2500 employees in ~ 40 countries

4,75 bn NOK annual revenue

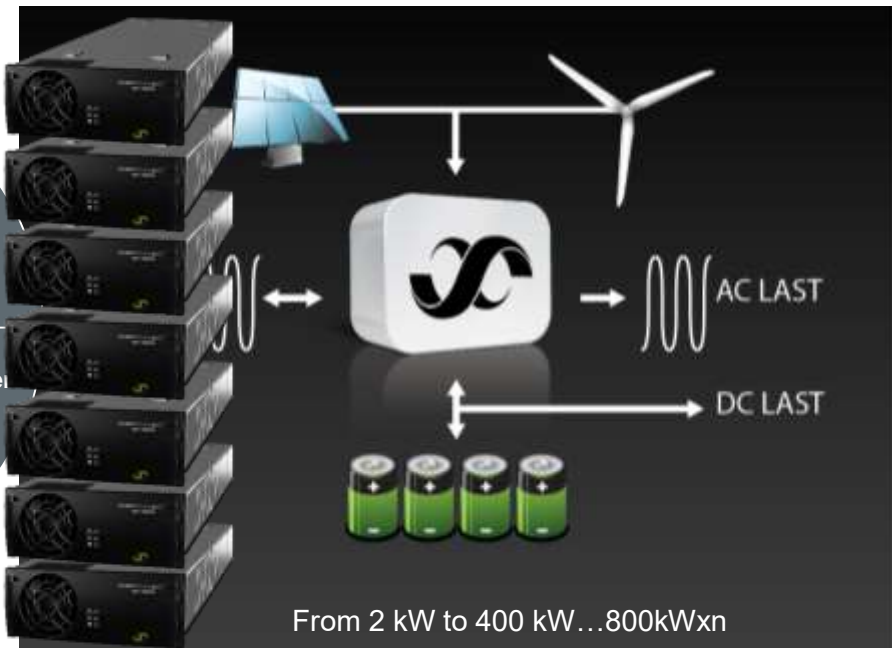
~**10 GW** installed base in operation across 110+ countries

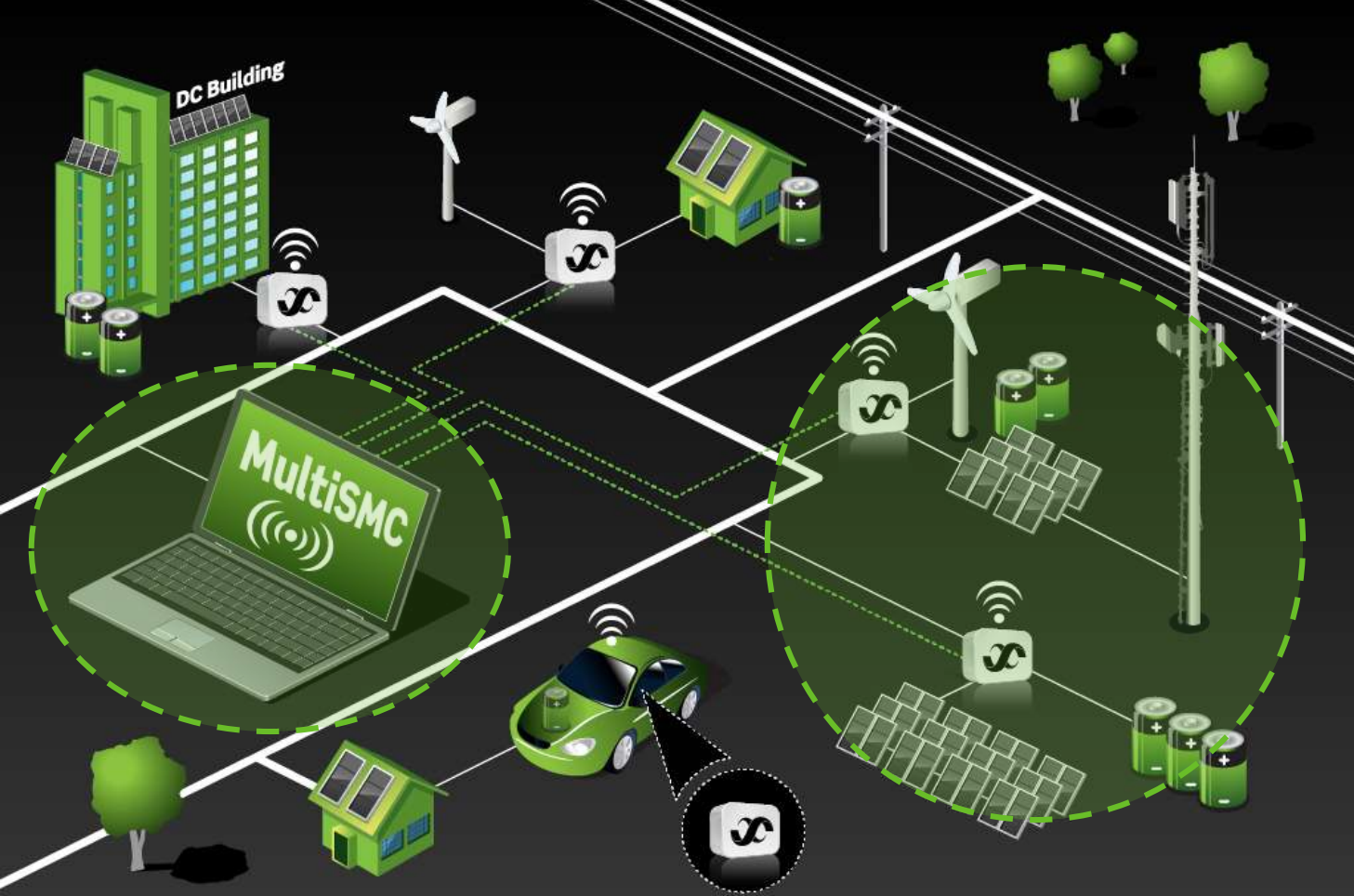
Core technology is **power conversion** and **power control systems**. Strong footprint in telecom/ICT sector + Industrial and Maritime applications
600 000 modules «worth» 10 TWh sold annually, export rate **97 %**

ANY kind of power input **converted** to **ANY** kind of output application



EFFICIENT POWER TO **ALMOST ANY** APPLICATIONS





3D
Decarbonization
Digitalization
Decentralization

Small to medium multi-purpose power systems grow into many more applications going forward

1. Core competency
2. Technology disciplines
3. Product building blocks

... are all key
Eltek expertise areas!



Control and monitoring

Ensuring optimal operation and asset management

- Variety of controllers to match different applications and increasingly demanding functionality.



- MultiSite Monitor providing fleet management and network overview and optimal operation of all power related assets.



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Future of
Experience the power.