



# Disruptive, efficient and sustainable energy solutions

Smart multipurpose back up power solutions – case

LuxTurrim5G and beyond

CEO Pentti Bruun

**L7DRIVE**  
powering your solutions

# Agenda

**Short introduction of L7 Drive**

**L7 Drive technology**

**L7 Drive solution for LuxTurrim5G**

**Other use cases**

# Short introduction of L7 Drive

***Everything we do we believe in challenging  
the status quo of battery solutions. We  
believe in thinking differently***

## **Our Vision**

Power a greener tomorrow with  
sustainable technology

## **Our Mission**

Our passion is to provide game  
changing technology solutions  
ensuring customers' success in  
sustainable growth

# L7 Drive technology

# Problem to solve

## Reliability

- Lithium battery solutions struggle to redeem expectations of reliability and life

## Costs

- Weak and expensive battery solution are holding back many key technologies enabling a more sustainable future

## Real time connectivity

- To release full potential of battery-based applications and energy solution the batteries need seamless connectivity and control

# Core Innovation + Complementary Technologies

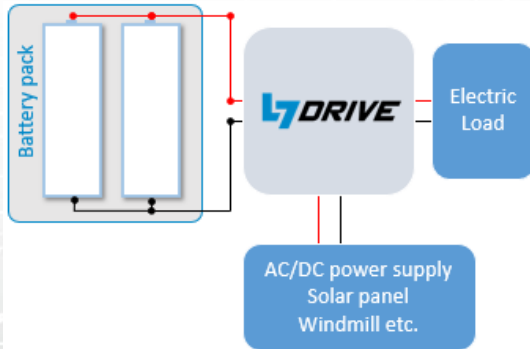
- Always in balance -> higher cycle life
- No BMS, complex battery pack sensing
- Enables simple capacity increase and/or swapping
- Bi-directional, variable charging sources
- In Light Electric Vehicle use, capable on constant power throughout the speed range
- High efficiency at full power range
- **Low system cost - All in one solution**



Electric vehicle/energy storage battery pack monitoring



Data collection, storage and diagnostics



Energy consumption control and monitoring, Vehicle parameter setting and information



# L7 Drive – The Smartest Way to Use Batteries



- ✓ Lower cost
- ✓ Better lifetime of the battery pack
- ✓ More robust options for charging



- ✓ Real time connections



- ✓ Easy to use (UI, Cloud)
- ✓ High security
- ✓ All relevant data available

**Intelligent self-balancing battery technology with no latency**



# **L7 Drive solution for LuxTurrim5G**

This video shows what L7 Drive has already done  
for Nokia/Nokia-lead LuxTurrim5G

[L7Drive Virtual Power Plant](#)

# Other use cases

# L7 Drive products, pilots

Same platform for LEV, Industrial, Energy, Telecom

250 W

**C250** LEV (bicycles, kick scooters), Industrial Equipment (electrified forklifts and pallet jacks), Energy backup

600 W

**G600** Energy, Telecom (5G-small & nanocell base station, energy backup)

2000 W

**D1** LEV (Model **S1** for scooters, **R1** for e-rickshaws), Energy (battery powered motorhomes)

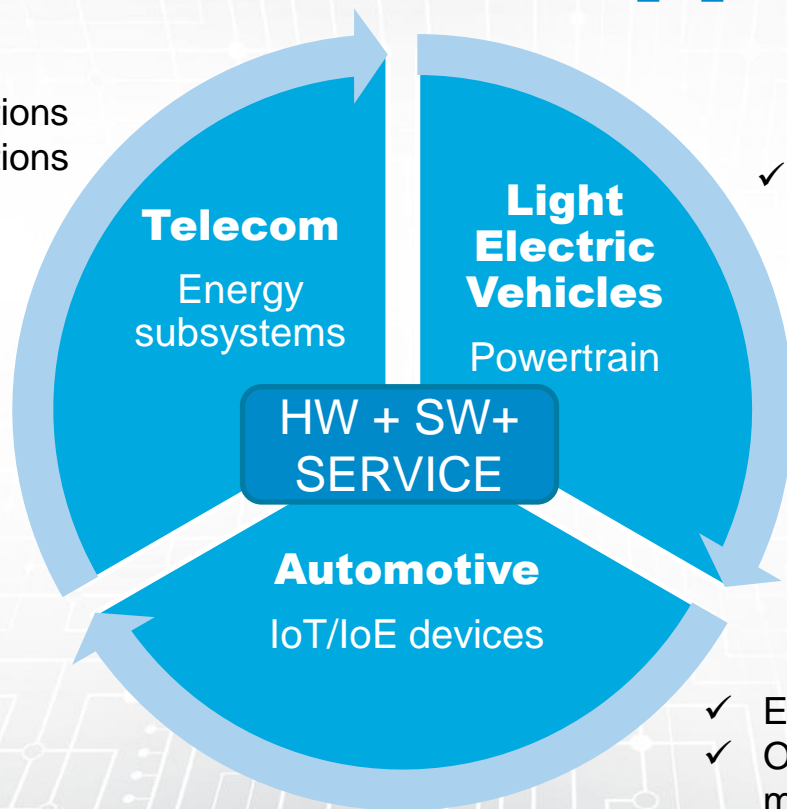
10 k W

Tbd. Multiplied solution, power ratings 250 W - 8 kW (15 kW)



# Target market and opportunity

- ✓ 80 million 4G macrostations
- ✓ 800 million 5G nanostations by 2030



- ✓ Up to 70% of total vehicle cost is the powertrain

- ✓ Especially for EV's
- ✓ Other vehicles and machinery



**Website**

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