



MARKET SEGMENTS

Green Mobility

Industry

Power DSO

Energy Storage

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BOOTH NO.

A15 **Skeleton Technologies** · *Estonia*

Product: SkelCap

Next generation ultracapacitors for energy storage

THE NEED. Transportation, heavy industrial equipment and power grid industries require lightweight, cost effective and powerful energy storage systems. The performance and price levels of ultracapacitor technology have not reached a point that is sufficient to meet widespread client demand. A breakthrough is needed for the ultracapacitor to carve itself the “promised” multi-billion euro market.

THE SOLUTION. Skeleton develops the next generation ultracapacitors, meeting the need for higher efficiency and a lower cost of ownership. The key innovation with this product line is a significant increase in energy and power density. The performance advantage comes from a patented nanoporous carbon material (carbide-derived carbon, CDC). Unlike competitors, Skeleton Technologies is the only company to use an inorganic precursor to ultracapacitors.

KEY FEATURES.

- Patented nanoporous Carbide-Derived Carbon material
- 4x power density vs competition
- Charge and discharge very quickly
- Lifetime of over 1 million charge-discharge cycles
- Doesn't require the use of toxic liquids or metals

VALUE PROPOSITION.

- Higher energy density and power density.
- Lower cost over lifetime.
- Lower weight and volume.

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THE TEAM

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STRATEGIC PARTNERSHIPS/ CUSTOMER REFERENCES

Adgero, Visedo OY, European Space Agency, Wright Group Ltd and more

✓ **COMMERCIALISED**