



METAL RECYCLING

Finland's business ecosystems are ready for new players in metal recycling

With 10 shipyards and 1000 companies generating an annual turnover of 8 billion Euros, the ship and marine platform building industry ecosystem has grown rapidly in Finland. The industry mainly does new builds and 90 % of the finished marine products are exported.

Ship repairs done in Turku are also an important part of the shipbuilding industry in Finland. Ship recycling is

also critical, and in the EU, regulations for ship recycling aim to ensure that EU-flagged ships are dismantled and recycled safely and responsibly.

To meet the rapidly increasing need for batteries, Finland is developing its battery and battery metals recycling ecosystem. Finland currently offers a unique opportunity to utilize existing circular economy models and we are

the only European country with all the key minerals used in production of lithium-ion batteries (cobalt, nickel, lithium and graphite). This means we offer a secured supply of responsibly produced high quality raw materials.

WHY TO INVEST IN FINLAND

1.

Existing high performance level in energy and material efficiency

2.

A long history of metal scrap collection and recycling

3.

Strong political support for recycling and circular economy

4.

A favorable environment for innovation and development of new solutions

5.

Existing collaborative network between the industries, technology providers and research institutes



FINLAND IS LEADING THE DEVELOPMENT OF BATTERY RECYCLING IN THE EUROPEAN UNION

- The European battery market is expected to be worth 250 billion Euros by 2025
- Total demand for Li-ion batteries is expected to be 400 GWh by 2030
- The European Commission has invited Finland to coordinate battery industry recycling research in Europe
- Fortum, a Finnish company, currently recycles electric vehicle batteries

Many key investments are being made in the Finnish battery industry ecosystem right now. For example, BASF is opening a battery materials production plant by the end of 2020 and it will produce enough materials to create 300 000 EVs every year. Also, Terrafame is building a battery chemicals plant to be completed in 2020 and Valmet Automotive opened a car battery production plant in 2019.

FINLAND EXCELLENT CHOICE FOR INVESTMENTS IN BATTERY INDUSTRY

Leading country
in sustainable
production of raw
materials

The only significant
European producer of
primary raw materials
for electric vehicle
batteries.

Innovative
applications and
wide ecosystems

Globally known for its
innovation and low
carbon solutions for
energy sectors.

Excellent platform
for component and
cell manufacturing

Compelling location
for companies aspiring
to meet the growing
European demand for
battery components
and cells.

Forerunner in
recycling

Leading role in EU
battery recycling
research.

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