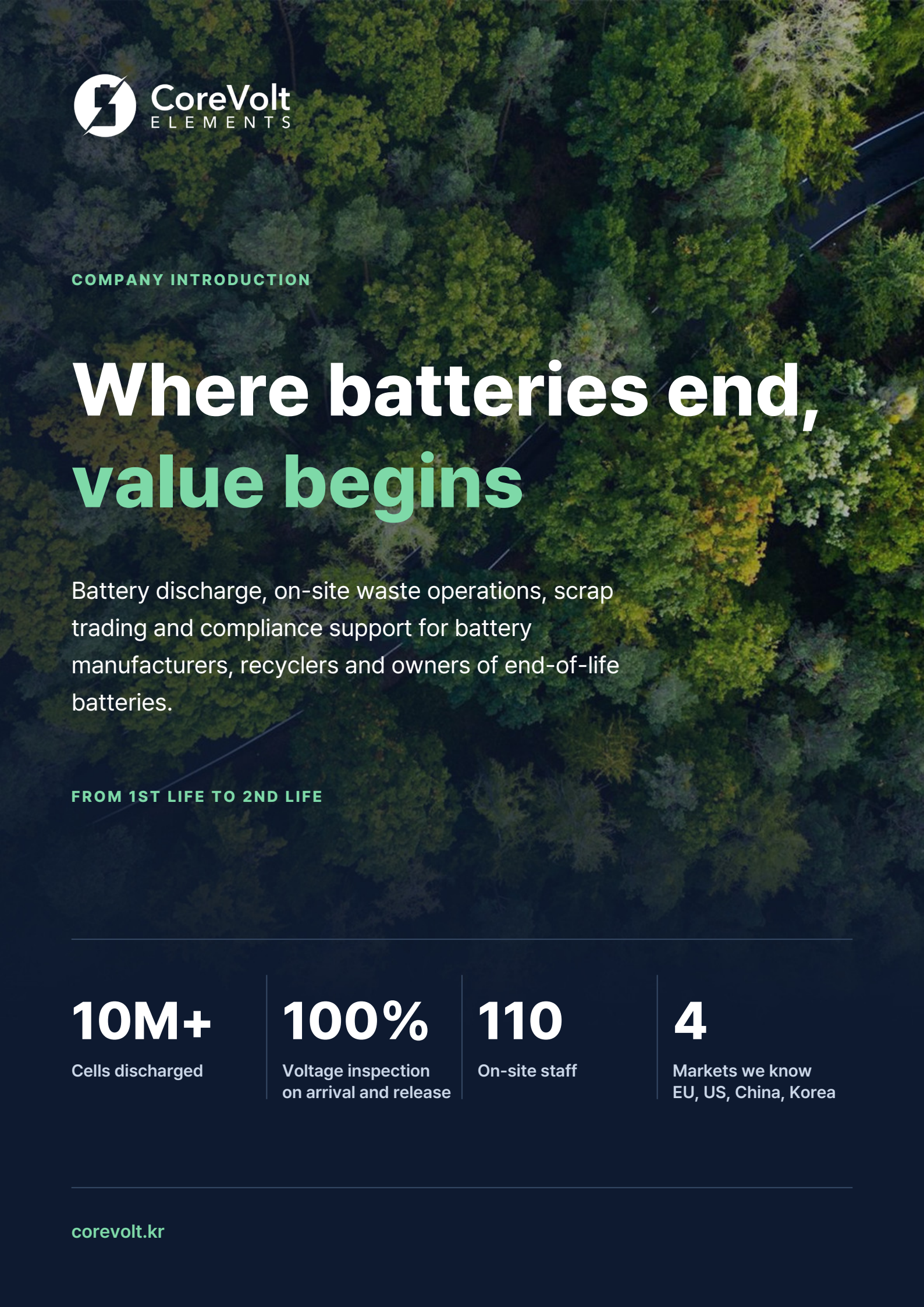


CoreVolt
ELEMENTS

COMPANY INTRODUCTION

# Where batteries end, value begins

Battery discharge, on-site waste operations, scrap trading and compliance support for battery manufacturers, recyclers and owners of end-of-life batteries.

FROM 1ST LIFE TO 2ND LIFE

**10M+**
Cells discharged

**100%**
Voltage inspection on arrival and release

**110**
On-site staff

**4**
Markets we know
EU, US, China, Korea

corevolt.kr

PLANT-SIDE SERVICES

# Four services, one flow

CoreVolt Group coordinates battery and scrap handling from the production line to the next use or processing partner. One group can take responsibility under one contract.

## Battery discharge

Dry and wet discharge for off-spec and end-of-life cells, modules and packs. Voltage checks and serial records keep each batch traceable.

## Scrap and waste trading

Trading in copper, aluminium and battery-industry scrap, with LME-linked pricing where applicable, documented shipments and links to recycling partners.

## On-site waste operations

Resident teams operate intermediate waste collection yards and support dust collectors and cyclones. Two shifts provide 24-hour coverage.

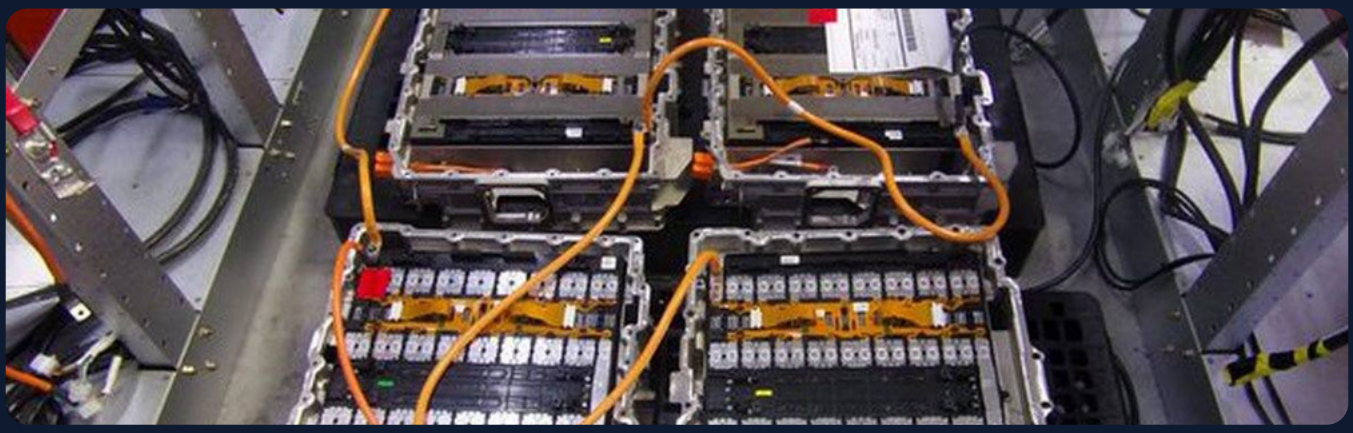
## EHS and compliance

Site inspections, risk assessments and preparation for authority visits. Support for waste classification, transport documentation and reporting.

DISCHARGE TECHNOLOGY

# Discharge you can trace

Operating experience from more than 10 million cells informs product-specific discharge settings and monitoring.



| | | |
|---|---|---|
| 1 | **Incoming inspection** | Measure voltage and register serial numbers. |
| 2 | **Sorting and risk ranking** | Prioritise by state of charge and select the dry or wet route. |
| 3 | **Controlled discharge** | Monitor voltage, current and temperature, with automatic stop. |
| 4 | **Outgoing inspection** | Recheck voltage on release and isolate abnormal cells. |
| 5 | **Record and release** | Record final voltage and release in compliant packaging. |

### Dry and wet discharge

Controlled electrical discharge produces no wastewater or by-products. Wet discharge uses brine and generates spent brine.

### Safety at each step

Site controls include interlocks, emergency stops, thermal monitoring, protective equipment and high-voltage training.

CIRCULAR VALUE CHAIN

# Reuse first

Batteries are checked and graded before a route is chosen. Reuse is the priority wherever condition allows.

**Collection, inspection and grading**

### Batteries suitable for reuse

Cell-level diagnosis identifies reusable cells and modules. Refurbishment and rebalancing are in development for second-life applications including service batteries, robots and energy storage.

### Batteries sent for recycling

CoreVolt carries out discharge and prepares the material for shipment. Qualified partners handle recycling, including downstream refining and material recovery.

## Scrap trading and partner routes

We connect copper, aluminium and battery-industry scrap to suitable recycling, refining and material partners.

**Source**

Secure production scrap and battery waste.

**Classify**

Document waste codes, weights and traceability.

**Move**

Arrange licensed carriers and required paperwork.

**Connect**

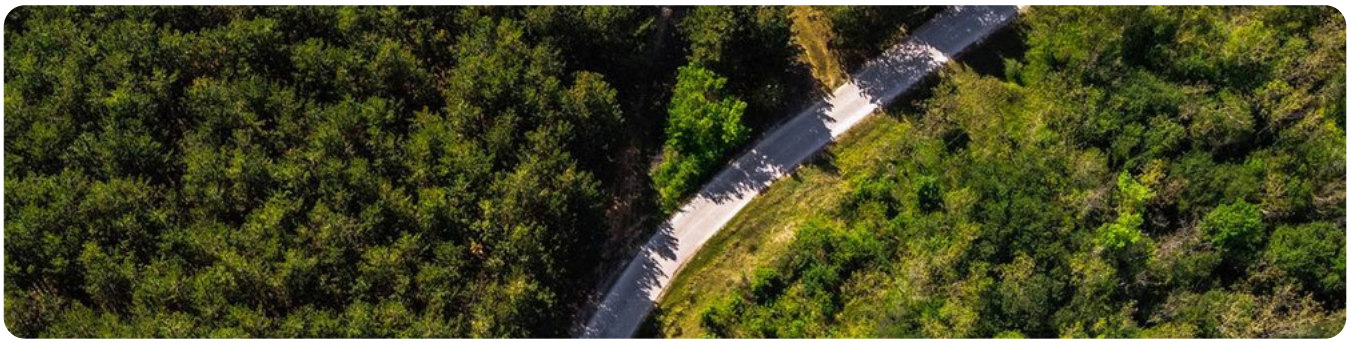
Match each stream with an appropriate buyer.



GROUP AND MARKETS

# A Korean–Hungarian group

CoreVolt Elements Zrt. leads the group from Budapest. An established Korean entity connects with customer headquarters and material companies.



| | | |
|---|---|---|
| **Hungary** | OPERATING | Dry and wet discharge, site operations and trading. |
| **Korea** | ESTABLISHED | Head-office liaison and material-company relationships. |
| **Germany** | IN PREPARATION | Automotive pack discharge and transport design. |
| **Poland** | PLANNED | Discharge room at a recycling partner’s site. |
| **United States** | PLANNED | Discharge operations model for two sites in Indiana. |

Projects in preparation or planned depend on customer discussions and may change.

# Group companies

CoreVolt Elements Zrt. leads the group and handles metal and waste trading.

### Eletfa Pioneer

Dry and wet discharge, maintenance and technical projects.

### Ascent Solutions

EHS, on-site waste and facility operations.

### Gemma Consulting

Permits and subsidy advisory, expat and pallet services.

CREDENTIALS AND CONTACT

# Licences and registrations

Issued to CoreVolt Elements Zrt. by Hungarian authorities.

### Metal trading licence

FE001135 — Valid to 15 September 2031

### Non-hazardous waste trader registration

PE/KTFO/04746-2/2026 — Valid to 15 September 2031

### Hazardous waste trader registration

PE/KTFO/05470-2/2026 — Valid to 12 November 2031

## ISO certification and insurance

| | |
|---|---|
| **Eletfa Pioneer** | ISO 9001, 14001, 45001 |
| **Ascent Solutions** | ISO 9001, 14001, 27001, 37001 |
| **CoreVolt Elements** | Generali environmental liability insurance |

Copies are available on request.

# Let us start at your site

Discuss requirements, visit the site, agree a pilot and scale the service to your operation.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