

Netzr

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CORPORATE PRESENTATION 2026

▀ About US

United Group! A brand that offers 360 degrees of service to its stakeholders with technology, innovation, efficient human resources, global trends and smart solutions.

In 1974, United Group which started its journey of investments and business in the automotive sector now focuses its activities in the fields of; integrated facility management, security-surveillance, professional cleaning, automotive, construction, event, education, technology and energy.



Who is United Group?



HeadQuarter



Technology Center
Bilişim Vadisi



Battery Packing
Factory

10 +
COMPANIES

10.000+
FAMILY MEMBER

500+
CLIENTS

100+
EXECUTIVES

Netzr

Organization

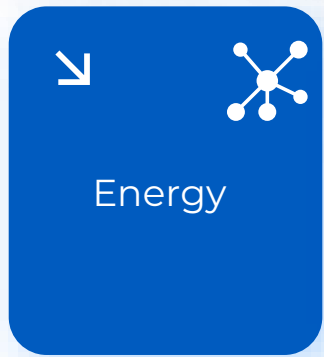
UNITED GROUP



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Who We Are ?

We are a technology company founded in 2021 to develop solutions aligned with **Net Zero** goals. We provide **sustainable and high-efficiency battery solutions** primarily for:



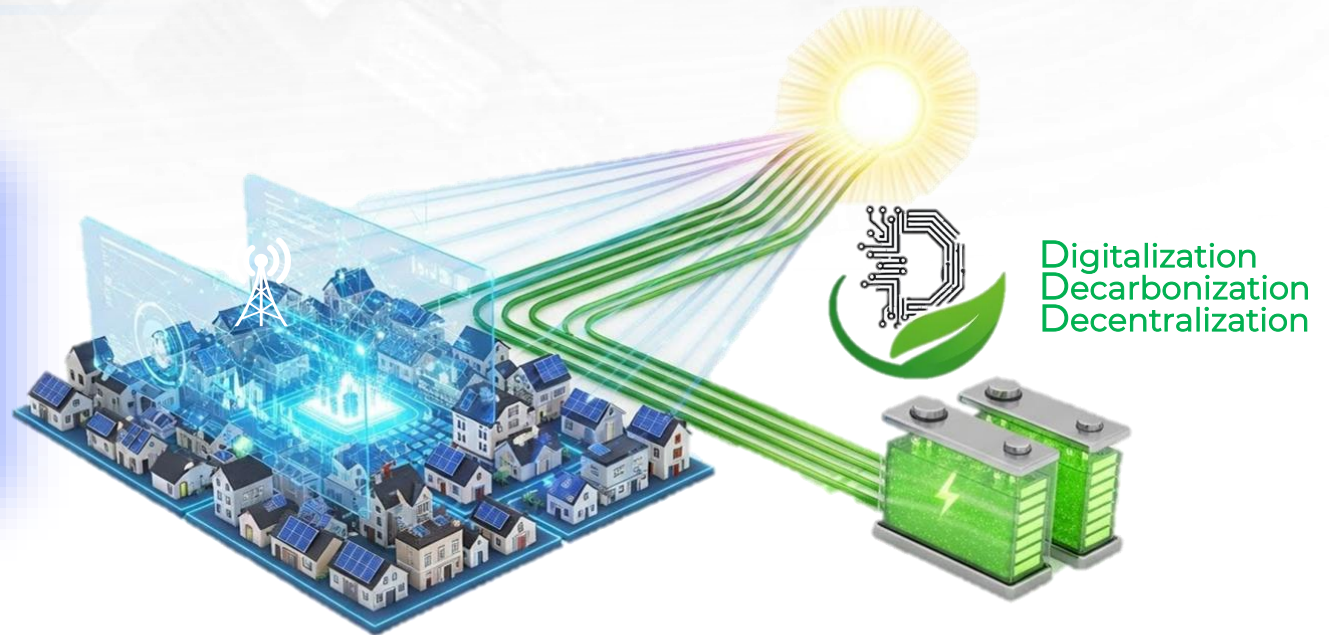
REDUCING
CARBON
EMISSIONS



CLEAN ENERGY



NET ZERO GOALS



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Why ECOLocate?

Welcome to the Net-Zero Point where every action, every solution, every idea is designed with the planet in mind driving us all toward a future where **zero impact means maximum possibility.**

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How Do We Produce?



 **6.000m²**
production

 **1200m²**
of modern offices

 **2,700m²**
high-tech shopfloor.



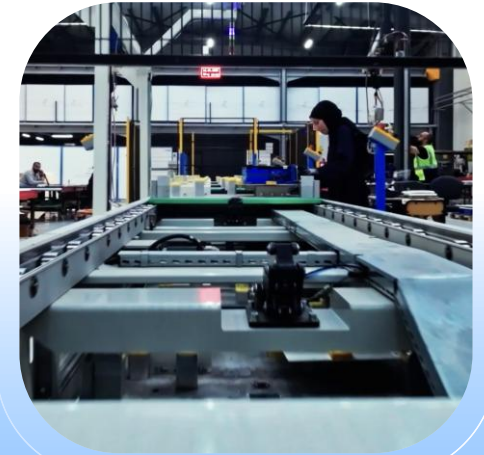
Robot-Assisted
Automation
Systems



Flexible Production
Line Scalable
Solutions



Smart Manufacturing
with ERP & MES
Integration



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Field of Activities

Where Do We Create Impact?

- ▶ Automotive & Mobility
- ▶ Energy Storage System Solutions
- ▶ Telecommunication Sector
- ▶ Maritime Sector
- ▶ Logistics & Warehouse Management



What Do We Offer?

5.12~15,36 kWh



288kWh- 3072kWh

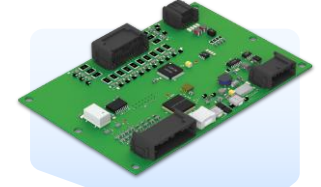


268kWh & 318kWh

All-in One



3.461MWh & 5.160MWh



Residential Battery Pack
All-In-One (LV)

Portable Battery Packs
Residential Rack Type included

C&I Solutions
ESS Cabinets

Utility Solutions
BESS – Battery Energy Storage Systems

LV & HV
Batteries

Battery Management Systems



Modular EV Platforms

Forklift Battery Solutions

EV Systems

Golf Car Solutions

Powertrain Systems

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Netzr Energy Storage Solutions

Locally designed, modular and scalable BESS solutions for Utility and C&I applications



Increase
renewable
energy
penetration



Eliminate grid
imbalance



Reduce carbon
emissions &
regulatory
pressure

Netzr Overview of Energy Solutions

We don't sell cells, we sell systems.

- Containerized BESS (AC & DC coupled)
- Rack-based Systems(C&I)
- EMS & PCS integration
- Local engineering + system integration



3.461 MWh – 0.5P

- Chemistry: LFP 325 Ah
- Topology: 1P104S → 1P416S (4×Pack) → 8×1P416S
- V_nom 1331.2 V, V_range 1164.8–1476.8 V
- P_nom 1,725 kW
- Enclosure: IP55, -30~+55°C
- Container: 20 ft HQ 6058×2438×3100, 34 t

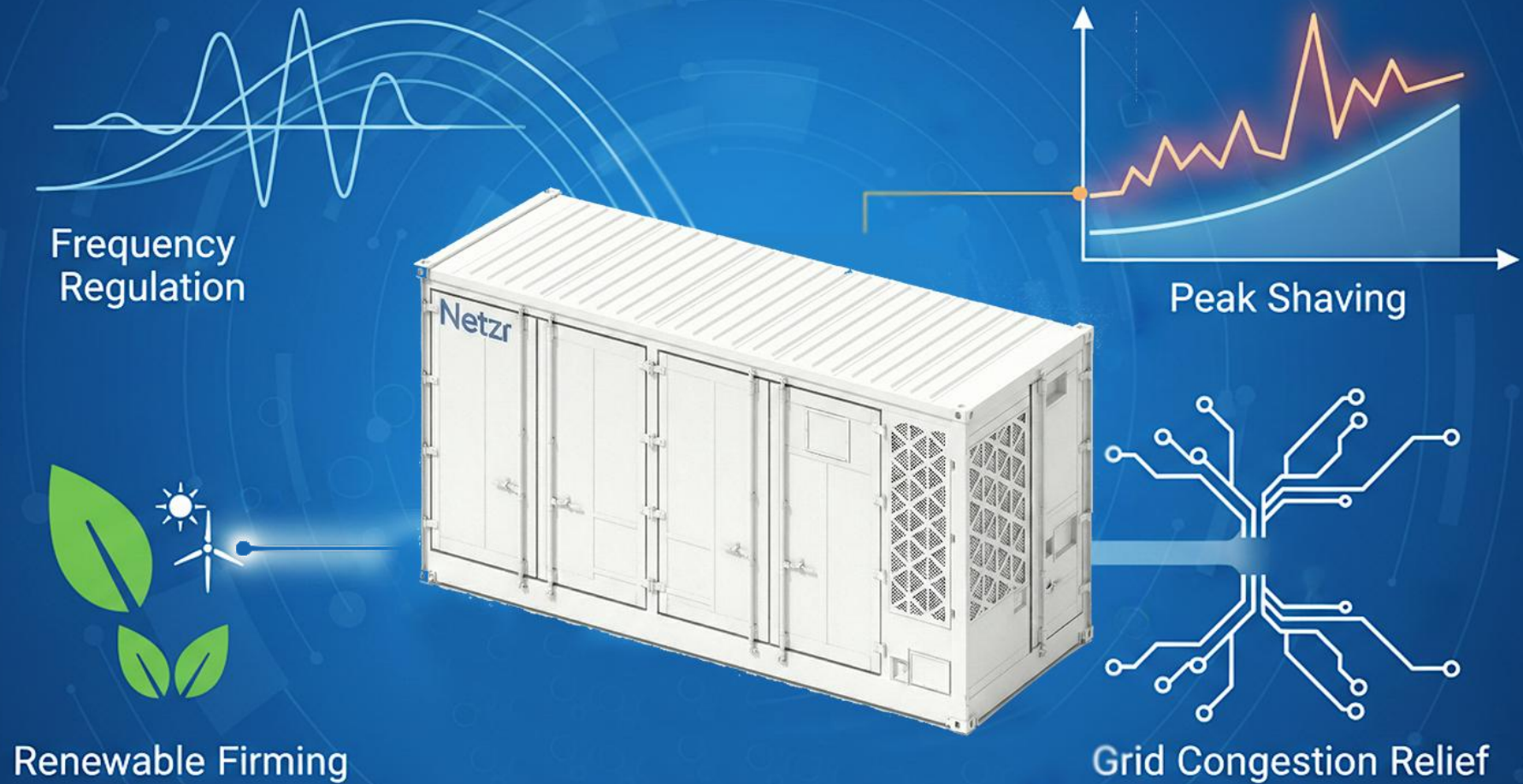


5.160 MWh – 0.5P

- Chemistry: LFP 350 Ah
- Topology: 1P128S → 1P384S (3×Pack) → 12×1P384S
- V_nom 1228.8 V, V_range 1075.2–1382.4 V
- P_nom 2,580 kW
- Enclosure: IP55, -30~+55°C
- Container: 20 ft HQ, 43 t

Where Does BESS Create Value? (Use Cases)

Utility



BESS System Architecture

Locally designed, modular and scalable BESS solutions for Utility and C&I applications



Components

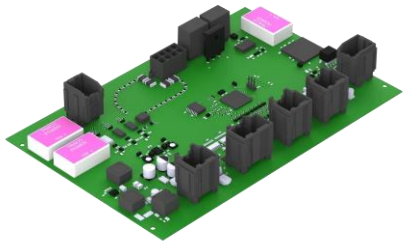
- ✓ Battery racks & packs
- ✓ BMS (rack & system level)
- ✓ PCS
- ✓ EMS
- ✓ Transformer & switchgear
- ✓ Modular container design
- ✓ Fast installation & sommissioning
- ✓ EPC-compatible structure
- ✓ Local manufacturing advantage



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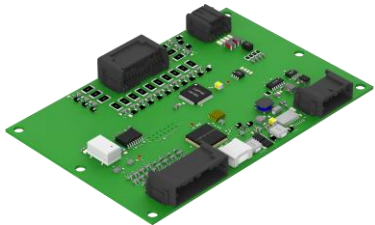
Battery Management Systems

(BMS) & HVCU



HVCU

High-voltage propulsion
& safety management



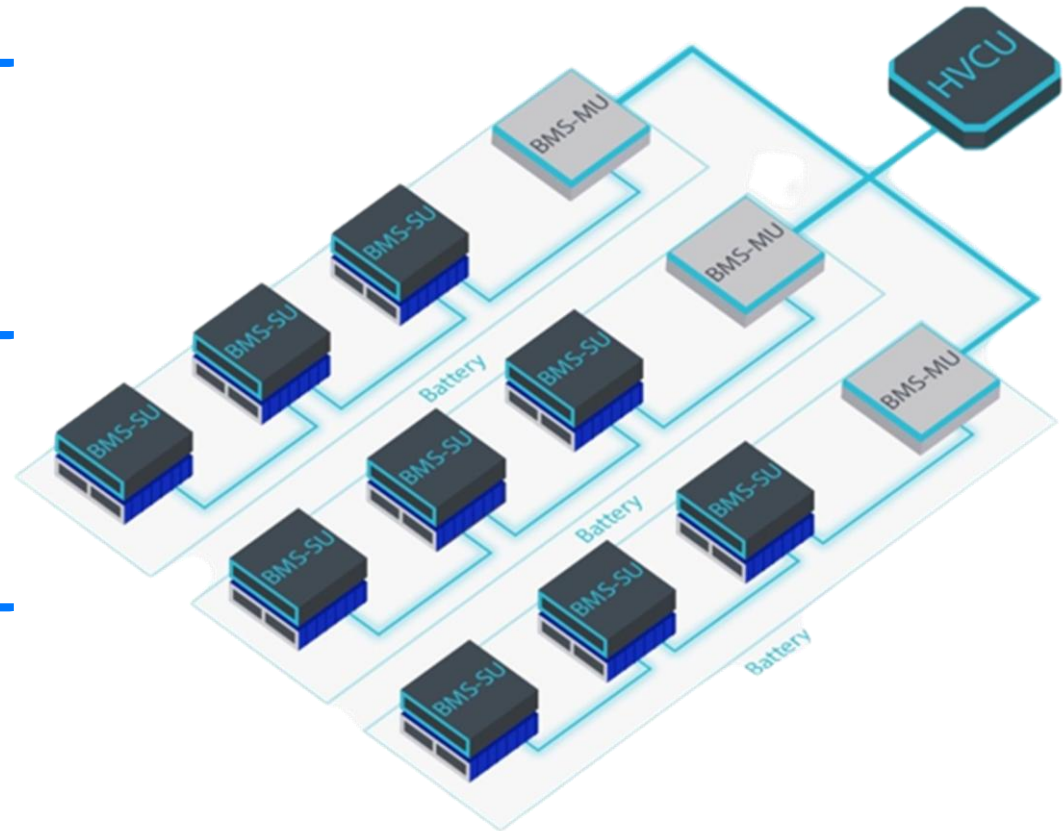
BMS-MU

Cell/string monitoring &
balancing, diagnostics,
SOx estimation



BMS-SU

Cell-level measurement
& balancing modules



▲ C&I Solutions

BESS Cabinets (268 kWh & 318 kWh)

Capacity

268,8

Cell

kWh

Voltage

350Ah

768V

Specifications

- ✓ ≥8000 cycles
- ✓ IP54 rating
- ✓ Liquid cooling
- ✓ RS485 / Ethernet / Modbus RTU & TCP / IEC104
- ✓ Fire protection: Aerosol + explosion-proof exhaust
- ✓ Quiet operation (≤75dB @1m)

Capacity

318

Cell

kWh

Voltage

222Ah

716,8V

Use Case

- ✓ Energy Independence for Businesses
- ✓ Cut peak costs
- ✓ Maximize renewable use
- ✓ Ensure backup power
- ✓ Smart system integration
- ✓ Space-saving Blade Cell design

Standards & Certification

IEC62619,
IEC63056, IEC60730, UN 38.3,
IEC61000-6-2/4,
IEC62477-1, IEC62933-5-2, UN3480, CE



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■ C&I - Use Case

We are making energy costs manageable.

Typical Scenarios



Factories &
Organized
Industrial Zones



Shopping Malls &
Data Centers



EV Charging
Infrastructure



Energy Continuity



Rack-based Flexible
Systems



Easy Integration
into Existing
Facilities



Site-Specific
Configuration



Invoice
Optimization



Carbon Footprint
Reduction



Short return on
investment (ROI)



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Where does BESS create value? (Use Cases)

C&I

Demand Charge Reduction



Self-Consumption Optimization



Backup & Resilience



EV Charging Support



Residential Battery Packs



Rack Type Battery Pack

Capacity 4.8–10.24 kWh
Cell 100 Ah
Voltage 48/51.2 V



All-in-One (LV) Battery Pack

Capacity 5.12–15.36 kWh
Cell 100 Ah
Voltage 51.2 V



Battery Packs

Capacity 20.48 kWh
Cell 100 Ah
Voltage 51.2 V

Specifications

- IP65 weatherproof
- Floor-stand installation
- CAN/RS485 communication
- Operating voltage 48–56 V
- Charge 0–55 °C
- Discharge –20–55 °C
- Humidity 0–95% (non-condensing)
- Max altitude ≤4000 m

Use Cases:

- Smart, safe and efficient home energy
- Solar integration
- Backup during outages
- Lower bills with smart usage
- Blade Cell safety
- Compact, stylish design

Telecommunication Battery Packs



48V-150Ah



- **Extended Backup**
Longer runtime during outages for critical infrastructure.
- **High Efficiency**
Low energy loss, low heat generation, stable performance.
- **5G Ready**
Optimized for high-demand next-gen base stations.



48V-100Ah -C



- **High-Density Prismatic Design**
Compact structure with higher energy density.
- **Space-Optimized Architecture**
Maximum capacity within a smaller footprint.
- **Extended Cycle Life**
Long-term reliability with lower TCO.

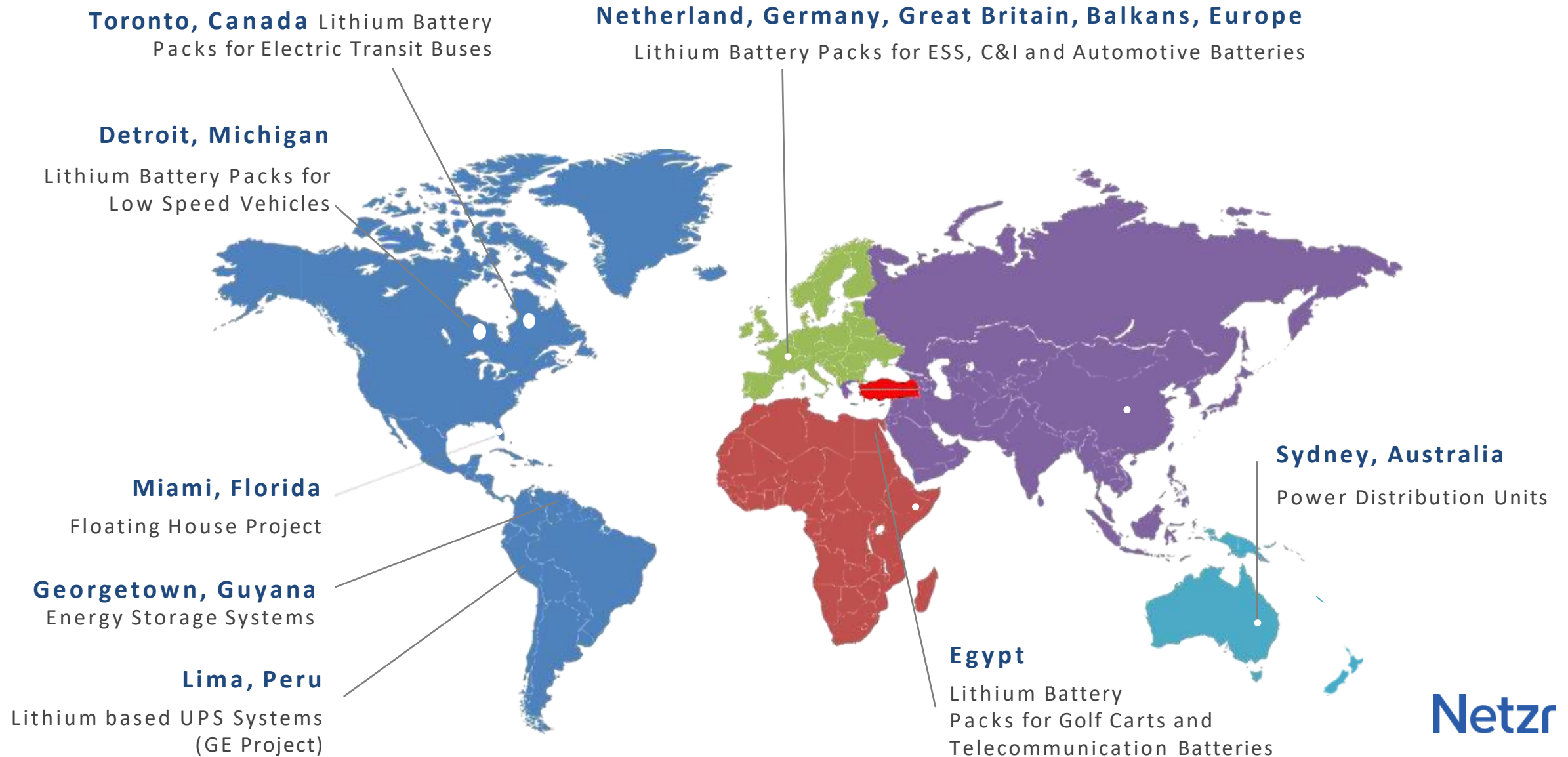


48V-100Ah



- **High Energy Density**
More capacity in a compact footprint.
- **Space-Optimized Design**
Ideal for limited telecom cabinet space.
- **Long Cycle Life**
Reliable performance with lower total cost of ownership (TCO).

International Projects



Quality, Safety & Certification

Safety: HVAC / fire safety, wiring & multi-layer protection and alarm architecture

Testing & Verification: Electrical, thermal and environmental tests at cell-module-pack level; field validation

Traceability:
ERP/MES backed
production data, test
records and full
genealogy tracking





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For further details,
please visit our website.

