



# Company Profile

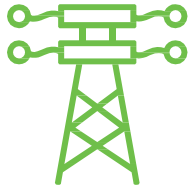


# | Who we are

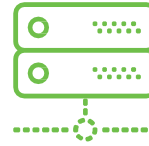
- Stratum Enclosures, is the Leading **ODM enclosures** manufacturer and integrator of cabinets for the Telecom sector, power solutions, Energy storage and data centers.
- Acquired and Modernized by IPI Group Holding in 2011, the Romanian Enclosure Manufacturing facility takes pride in its international ISO certifications and in its dedicated team exceeding the **120** professionals and delivering the most versatile projects in **Europe, Middle East, Africa and South East Asia**.
- More than 4000 employees within the group.



# | Our Strategical Sectors



**Telecom  
Sector**



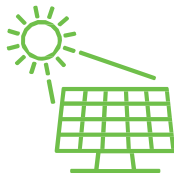
**Data  
Centers**



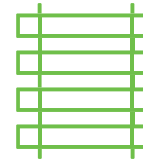
**Infrastructures**



**Industrial**



**Renewable  
Energy**



**Railways**

# | Our Factory



State of the art production facility



# | Our Organizational Structure



- Design Department
- Production Department
- Customer Care Department
- After-Sales Department
- Technical Support

## 20-20-20 targets

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The climate and energy package is a set of binding legislation which aims to ensure the European Union meets its ambitious climate and energy targets for 2020.

In STRATUM ENCLOSURES factory we are promoting **"GREEN"** and we achieve a part of the objective sets

- **51.09% from the energy used in the Manufacturing Process of STRATUM ENCLOSURES comes from renewable energy production(Wind turbines)**

These targets, known as the "20-20-20" targets, set three key objectives for 2020:

- A 20% reduction in EU greenhouse gas emissions from 1990 levels;
- Raising the share of EU energy consumption produced from renewable resources to 20%;
- A 20% improvement in the EU's energy efficiency.





# Our Projects

## Energy storage





# MULTIPURPOSE FIBER-OPTIC CABINET MFOC



The latest street cabinet revolutionized by IPT PowerTech Group, embeds a Fiber optic cabinet and a modular EV charging station.

MFOC is designed to respond to the raising needs for faster internet connection while accommodating the ideal charging interface of the EV future cars.

**MODULAR**  
3 compartments :



**EXPANDABLE:**  
Batteries can be extended as needed



**EASILY DEPLOYABLE:**  
Optimized footprint

## FIBER OPTIC CABINET Main Features

- Energy counter compartment independently accessible
- Power Redundancy through Emergency Socket
- Built-in Power System of 2400W
- Li-Ion Batteries of 40Ah extendable to 200Ah
- 10U space for MSAN equipment's and ODFs'
- Up to 600 pairs of Connection ports in a separate compartment
- Smart heat dissipation

## EV CHARGING STATION Main Features

- AC & DC Charging
- Safe, fast and flexible
- Fast charging down to 20 minutes
- Control & monitoring of charging process.
- Standardized charging types for USA/Japan, Europe, GB/China.
- Built-in POS payment.
- Independent energy counter for separate invoicing

## Advantages

- Easy deployable due to its plug and play feature.
- Small foot-print all in one compartment using edge technologies in energy density.
- Easy expandable/upgradable module design that allows expansion and upgrade any time during operation.
- Light stock management one cabinet fits all installation scenarios along with the upgrade/expansion kits.
- Camouflage option due to a painting that makes the cabinet blind in its surroundings.
- Anti-graffiti option due to a special painting that prevent graffiti paint from bonding to surfaces.





# TRION DCG

## CABINETIZED ENERGY SYSTEM



is IPT PowerTech Group latest innovation for grid connected sites with unstable mains featuring the benefits of both; Lithium-Ion batteries' efficiency along with the generator effectiveness, all enclosed in a cabinetized solution.

Trion DCG Cab ES houses space for telecom equipment, remote monitoring, solar system connection, high density generating sets and battery system. Also, the system can be camouflaged to blend with the environment when needed.

**TRION DCG Cabinetized Energy System**  
is an ideal risk-free solution for the latest generation of urban deployments.

### Applications

- Unstable and unpredictable grid.
- Critical sites: this solution provides up to 3 levels of power redundancy can act as:
  - Hybrid solution have a storage energy autonomy with range between 2 hours till 10 hours including one genset power supply.
  - Continuous power solution equipped with two genset running sequentially with backup battery system for emergency case.
- Sites with high fuel theft



# EV-Charging CHARGING





## EV-Charging

## CHARGING SITES





## EV-Charging

## CHARGING SITES



## EV-Charging

## CHARGING SITES



**EV SUPERCHARGER**

**stratum**  
Supercharger,  
The Best Choice!

Supercharging with up to  
**80**  
Ampere in AC

Supercharging with up to  
**200**  
Ampere in DC





## EV-Charging

## CHARGING SITES

### Available options

Number of Charge Points	DC out Plug configuration	AC out configuration	Standard power configuration	Communication
3 (2x DC, 1x AC)	CCS and CHAdeMO	Type 2 plug	50 kW	LAN
4 (2x DC, 2x AC)	2 x CCS	Type 2 socket	100 kW	Wireless GPRS / 3G
6 (4x DC, 2x AC)	2 x CHAdeMO	Type 2 plug and Type 2 socket No AC	150 kW	Tosibox (WLAN + 3G)

Customized configurations on request



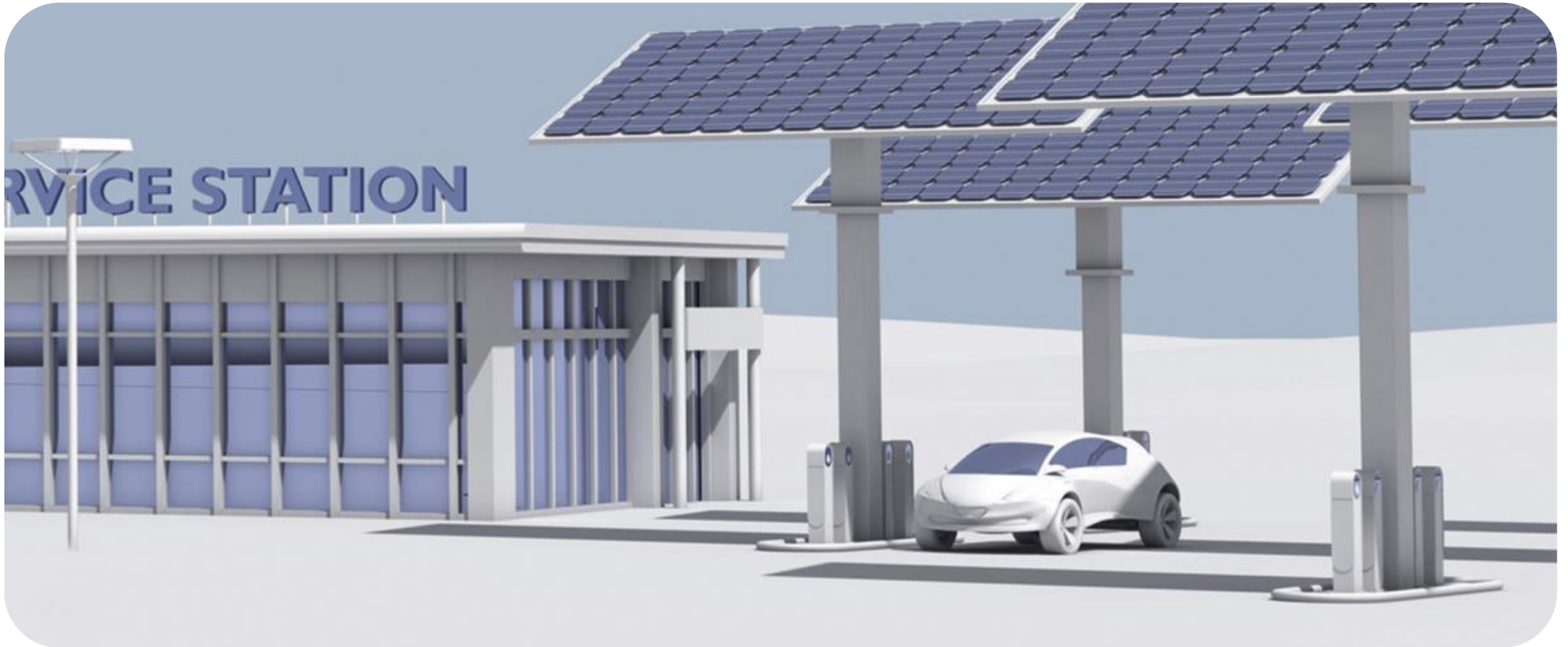


## EV-Charging

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## CHARGING SITES

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# | Our Projects

## Energy storage





# | Our Projects

## Energy storage





# Our Projects

## Nigeria-energy storage



# Our Projects

## South Africa-energy storage



# stratum

E N C L O S U R E S

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READY TO ASSIST YOU

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[www.stratum.ro](http://www.stratum.ro)