

ENERGY STORAGE SOLUTIONS

Make the world greener together



SOME PROJECTS

Our applied expertise

HONDURAS 2019
4 MVS-STP units including a 1350 kVA 33/0,48 kV transformer
Solar energy substation optimized for inverter load

MAYREAU ISLAND 2019
2 battery storage containers
20ft ISO
Energy storage

SCOTLAND 2022
2 battery storage containers 45ft-
Nominal Power at poi: >8 MW
Nominal Energy at poi: >8,6 MWh
Energy storage

GERMANY 2019
13 BATTERY storage containers 45ft
Nominal Power at poi: 50MW
Nominal Energy at poi: 50MWh
Energy storage

GERMANY 2022
3 battery storage containers 40ft
Nominal Power at poi: 12 MW
Nominal Energy at poi: 8 MWh
Energy storage

ITALY 2022
9 MVS-STP units including 2500 kVA or 3000 kVA 20/0,66 kV transformer
Solar energy substation optimized for inverter load

CONGO 2018
2 MVS-STP units including a 630 kVA 20/0,4 kV transformer
Solar energy substation optimized for inverter load

ARGENTINA 2020
1 MVS-STP unit including a 1800 kVA 33/0.47 kV transformer
Solar energy substation optimized for inverter load

MADAGASCAR 2021
2 MVS-STP units including a 1600 kVA 20/0,4 kV transformer
Solar energy substation optimized for inverter load

AUSTRALIA 2022
2 battery storage containers 40ft HC
Nominal Power at poi: 10 MW
Nominal Energy at poi: 5 MWh
Energy storage



BATTERY STORAGE

The right solution for every application

DUCTING SYSTEM

- aluminium panels and PUR (water-foamed polyurethane, CFC- and HCFC-free)
- fire resistant materials (starting from B1 class)
- customised solutions for an equal air flow distribution throughout the container

HVAC

- customised solutions selected according to the whole equipment thermal losses, the batteries heat dissipation and the environmental conditions
- cooperation with well-known brands
- continuous R&D for new and innovative solutions to optimize space

AUXILIARIES

- lights
- sockets
- humidity and temperature sensors
- UPS according to customer requirements

F&G

- fire suppression system designed for batteries technology
- fire detection system supplied from the main brands, to ensure protection against fire hazard
- ASD system (aspirating smoke detection), on request

BATTERY RACKS

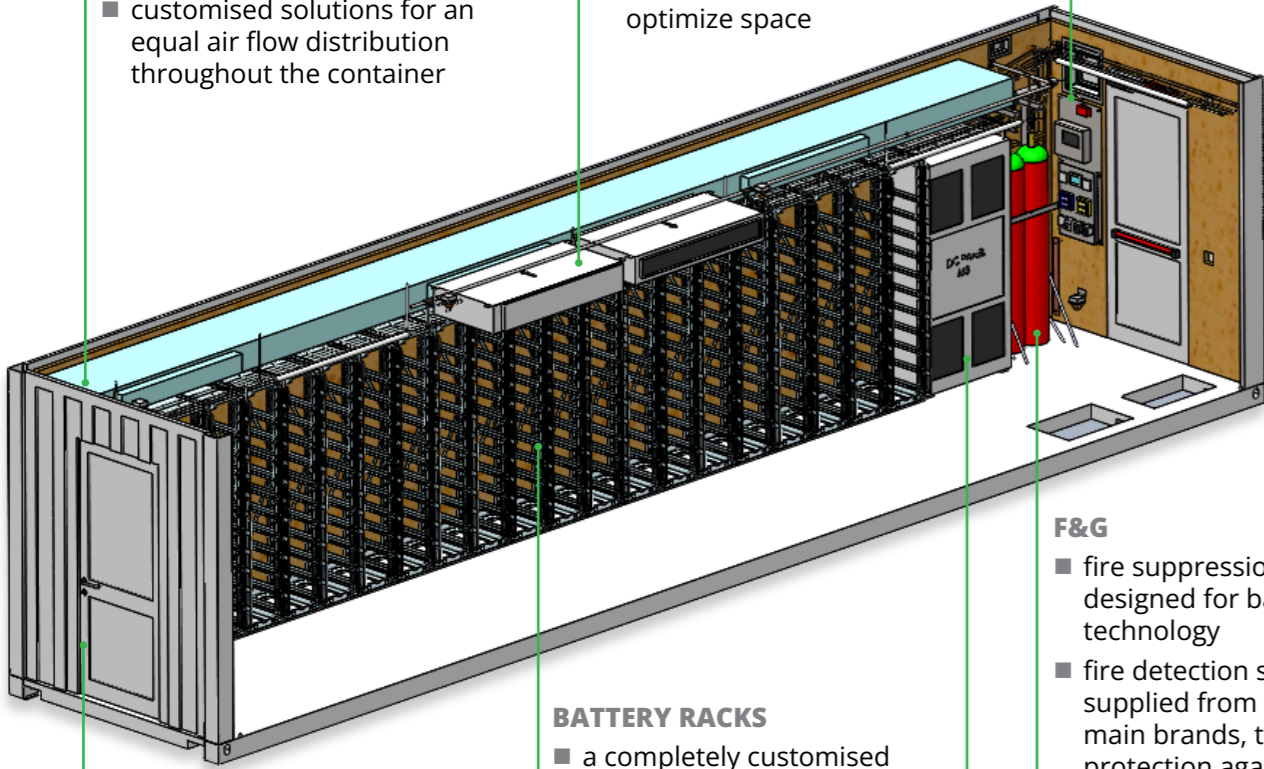
- a completely customised layout designed according to the rack type, to optimize the space inside the container and increase the installed energy

AC AND DC PANELS

- AC and DC panels designed by WESTRAFO, according to customer requirements
- study of local regulations for CD development
- control system and supply system
- particular attention to safety management

CONTAINER BODY

- designed in accordance with all local standards
- designed to withstand loads of snow, wind (or other) and local environmental conditions
- CSC certification for maritime transport, if required
- the installed materials are fire resistant starting from B1 class
- walls, roof and floor insulation, to avoid condensation and to reduce thermal losses



MEDIUM VOLTAGE SUBSTATIONS

Customised to your plant's demands

LOW VOLTAGE COMPARTMENT

- LV panel designed by WESTRAFO
- Main switch and fuses switch-disconnector IP20
- Lights, sockets, protection and safety devices on request

MEDIUM VOLTAGE COMPARTMENT

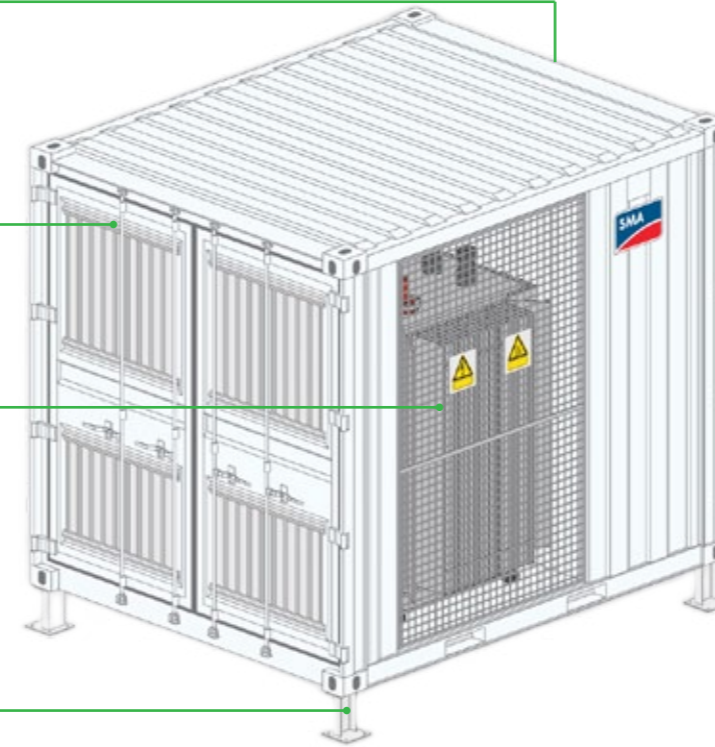
- MV switchgear from the well known brands
- Auxiliary cabinet designed by WESTRAFO
- Lights, sockets, protection and safety devices on request

TRANSFORMER COMPARTMENT

- Transformer WESTRAFO
- Transformer side doors interlocked with the MV panel on request

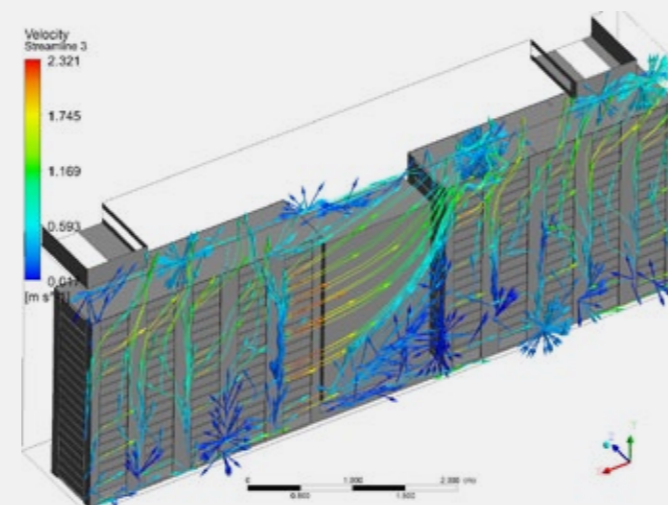
CONTAINER BODY

- 10ft/20ft/40ft container structure, skid or concrete solutions
- Complete factory assembled unit
- UV-light, weather, wear-mineral oil-salty water and impact-resistant;
- CSC certification for maritime shipping, on request



OUR SERVICES

Designed to achieve maximum performances



→ ENGINEERING STUDIES BASED ON A PROJECT SPECIFIC LAYOUT

- CFD simulation
- structural calculation and design
- customised circuit diagram designed by WESTRAFO

→ TURNKEY PROJECTS

- a 360° flexibility in design phase
- on-site activities performed by a team of experts
- pre- and after-sales assistance

→ HIGH QUALITY

- installation of components from well-known brands
- stringent product quality check system

SUSTAINABLE BUSINESS SOLUTIONS TO CREATE A BETTER TOMORROW

Our mission is innovation and flexibility in design of sustainable products, matching the energy market needs and latest trends with the improvement of quality standards in the energy production.

Contact us: sales@westrafo.com



WESTRAFO
Power Transformers & Energy Solutions

HEADQUARTER

Via della Meccanica 4
36100 Vicenza (VI) - Italy

ENERGY SOLUTIONS BRANCH SITE

Contrada Ronchi 3
36054 Montebello Vicentino (VI) - Italy

T. +3904441831601
info@westrafo.com
www.westrafo.com

