



EnSmart

Power Conversion & Energy Storage

Smarten
Your Energy



Company Presentation

January 2025

Presented by Franck Magnei Guy



We're Ensmart Power

A Leading Provider of Complete Energy Storage Systems
Trusted Specialist In UPS Systems



About Ensmart Power

Committed to Power Quality

- With over 4 decades of extensive experience in power electronics, EnSmart Power is a leading complete energy storage system provider and specialist in the design and manufacturing of uninterruptible power supplies, power protection systems
- Headquartered in the UK, Essex. Having manufacturing facilities in Turkey with our team committed to power quality and our expertise on the power conversion we provide latest technologies to the world in more than 50 countries and protect people and businesses against costly downtime and support grid infrastructure for sustainable energy.



Advanced Manufacturing

One Stop Source for Power Electronics

- Manufacturing Plant 15.000 m2 +
- All in house production (PCB, Heatsink, Transformer)
- Global supplier of AC and DC UPS Systems, Frequency Converters, Voltage Regulators, Power Converters, Integrated PV and Energy Storage Systems





Our Mission

At EnSmart, we are engineering innovative power solutions that helps the energy to get smarter and cleaner for a sustainable world

Our Vision

To provide energy solutions that guarantee power quality for all critical applications and help world's energy to be more reliable and sustainable

Our Values

Be Innovative and Improve Continuously

We are committed to innovate and develop leading technologies.

Be Committed to Quality

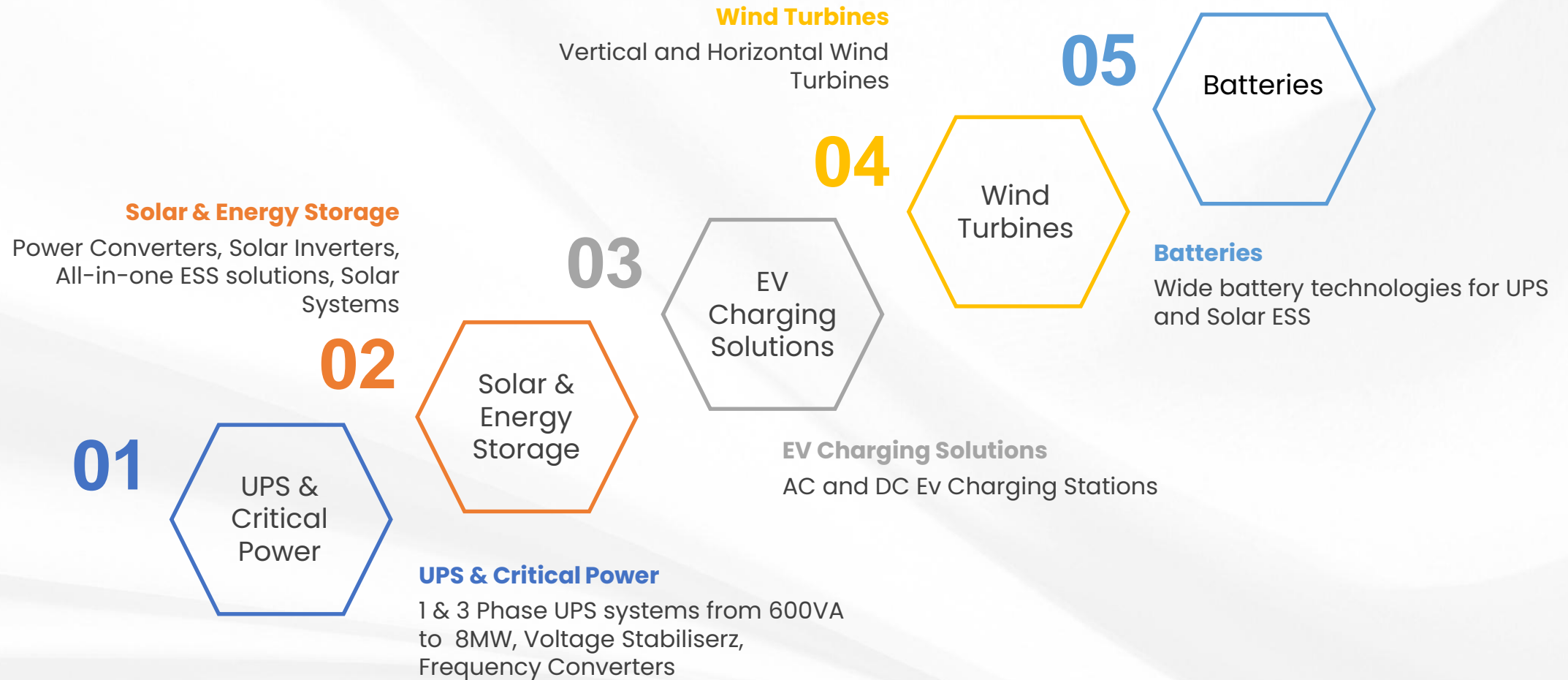
We are committed to produce excellent products which are fully compliant with international standards to achieve highest level of customer satisfaction.

Be Sustainable

We are mindful of our responsibilities on the way to sustainable development.

Our Business Scope

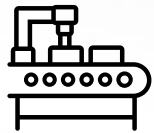
Wide Range of Products



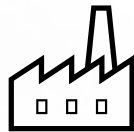
Key Sectors

Powering Non-Stop Productivity

Designing, integrating a wide range of power supply systems, EnSmart Power ensures the availability of reliable and efficient power to all critical applications and powering non-stop productivity in a large number of industries.



Heavy Industry



Manufacturing



Emergency



Railway



Marine



Renewable Energy



Power Generation



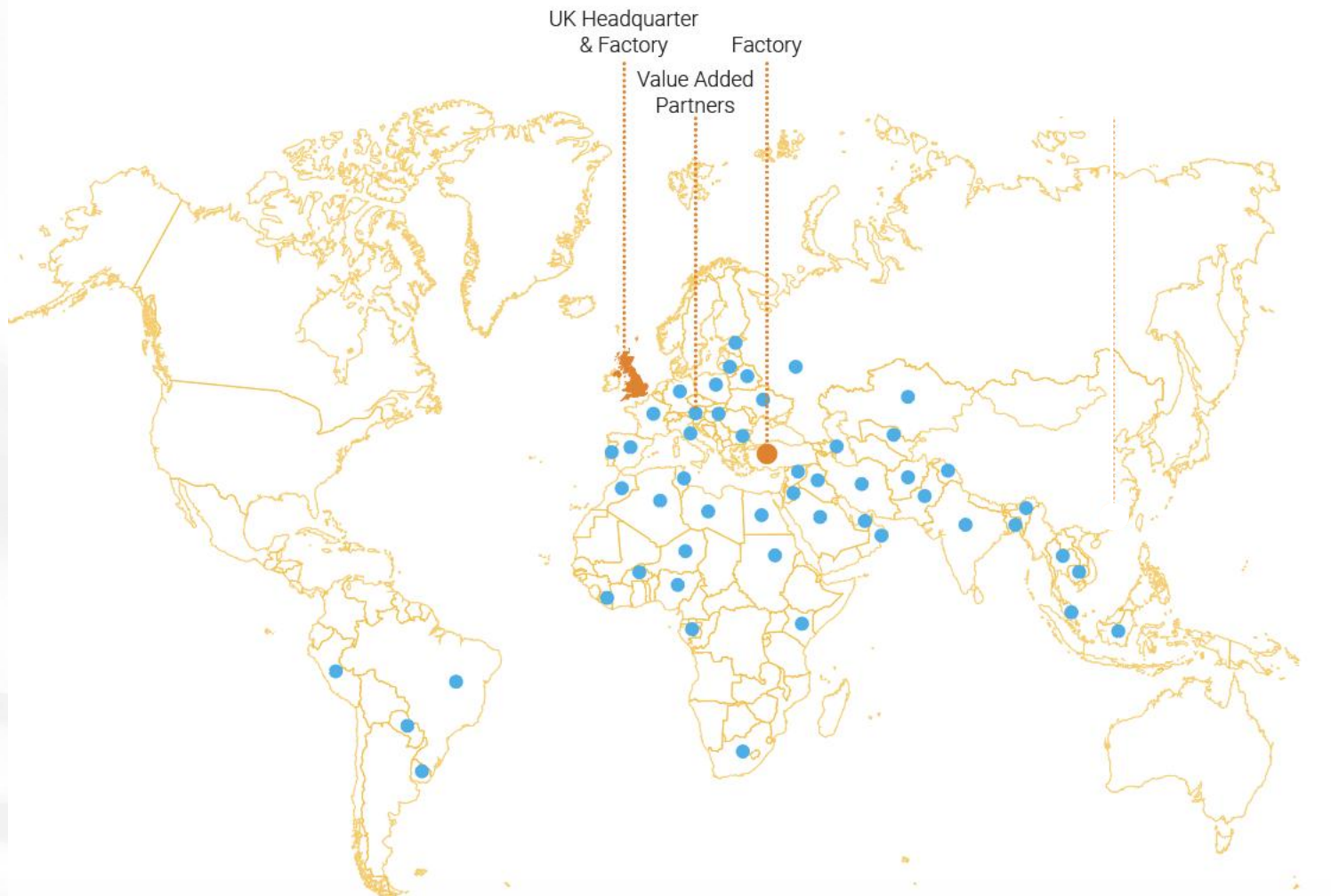
Telecom



Datacenter

Global Presence

Sales & Service Network



Export to more than **50**
countries across the 6
continents.

2 subsidiaries in Europe.

More than **100** global
distributors.

Over **100** certified
support engineers
available through global
service network.

Advanced **Manufacturing**

Brand New Manufacturing Center in Turkey

5GW

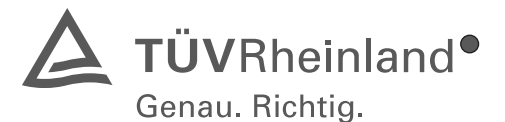
UPS / Inverter
Annual Production Capacity

We keep investing in production system and improve productivity through the constant control of all processes and development of new Technologies. Our customers benefit from our growing production capacity combined with high quality EU -based components and manufacturing experience

- Equipped with advance R&D laboratories with sophisticated measuring equipments
- Real load test rooms
- Motivated and flexible employees
- 100% incoming material inspection
- Strict document control
- A closely managed forecasting process ensures fast delivery capabilities
- Regular self-audits

Accredited Test Rooms

Our laboratories are internationally accredited. We are also a contributor to national and international standards in the power industry



World Class Innovative R&D



We keep investing in R&D to design new technologies that help to reduce energy consumption and increase the resilience of renewable energy sources. Our laboratories are internationally accredited. We are also a contributor to national and international standards in the power industry and partnering with industry giants in power electronics.

All-in-house Production

With all-in-house production we offer excellency and flexibility In manufacturing



PCB Assembly Facility

Equipped with the the latest model SMD placement machines. Capable of placing a wide variety of parts.



Heatsink Manufacturing

In-house CNC/VMC machining facility for producing the heat sink profiles



Transformer Manufacturing

Design and manufacturing all kinds of choke coil transformers. Wide range of single & three phase isolation transformers.

Product Portfolio

Extensive Product Portfolio

With all-in-house production we offer excellency and flexibility In manufacturing



UPS & Critical Power

UPS Systems

Single Phase UPS



Smart Pack

1-3 KVA

ONLINE UPS

1:1
PHASE

Single Phase Power Protection For
Entry Level IT Servers & Network.



Smart Pack

6-10 KVA

ONLINE UPS

1:1
PHASE

Single Phase Power Protection For
Small and Medium Businesses.



Smart Pack RT

1-3 KVA

ONLINE UPS

1:1
PHASE

Rack and Tower Convertible UPS
Suitable for rack cabinets.



Smart Pack RT

6-10 KVA

ONLINE UPS

1:1
PHASE

Rack and Tower Convertible UPS
Suitable for rack cabinets.

UPS Systems

Three Phase UPS



Smart BX

10 - 120 KVA

ONLINE UPS

3:3
PHASE

IGBT PWM Rectifier & Inverter Technology.



Smart LV

10 - 1000 KVA

ONLINE UPS

3:3
PHASE

True Three Level Rectifier and Inverter Technology.



Smart BX-S-RM

10-15-20 KVA

ONLINE UPS

3:3
PHASE

3/3 3/1 1/1 Phase convertible RackMounted.



Smart T3

80 - 200 KVA

ONLINE UPS

3:3
PHASE

Built In Inverter Transformer for DC-AC Galvanic Protection.

UPS Systems

Three Phase UPS



Compact Series

10 - 80 KVA

ONLINE UPS

3:3
PHASE

3 Phase Power Protection for Small and Medium Data Center.



Compact 3L Series

60 - 200 KVA

ONLINE UPS

3:3
PHASE

3-Phase Power Protection for Small and Medium Data Centers PF1.



Smart TP

10 - 800 KVA

ONLINE UPS

3:3
PHASE

Three Phase Industrial UPS with built in Transformer.



Smart Module XL

10 - 7200 KVA

MODULAR UPS

3:3
PHASE

High Performance, Modular 3-Phase Power Protection.

Voltage Stabilisers

Servo & Static - Single & Three Phase



STR Series

10 - 3000 KVA

STATIC VOLTAGE REGULATOR

3:3
PHASE

True Static-Modular Design with Thyristor Technology.



STR Series

1 - 30 KVA

STATIC VOLTAGE REGULATOR

1:1
PHASE

True Static-Modular Design with Thyristor Technology.



SVR Series

6-2000 KVA

SERVO VOLTAGE STABILIZER

3:3
PHASE

Servo Motor Controlled Durable Design Stabilizer.



SVR Series

1-50 KVA

SERVO VOLTAGE STABILIZER

1:1
PHASE

Servo Motor Controlled Durable Design Stabilizer.

Frequency Converters

50Hz, 60Hz, 400Hz for Marine & Defense



Smart FC 400

10 - 800 KVA

FREQUENCY CONVERTER 400
HZ FOR AIRCRAFTS

3:3
PHASE

Reliable 400hz Operation For
Airports, Aircraft Vessels.



ShoreMaster-BS

10 - 1000 KVA

MARINE SHORE POWER
CONVERTER

3:3
PHASE

Board Side Shore Power Converter
Fully Compatible With Worldwide
Marine Power Sources.



ShoreMaster

UP TO 8MW

TURN KEY SHORE-TO-SHIP
SHORE POWER SOLUTION

3:3
PHASE

Plug-in-Play Containerized IP65
Shore Power for ports and ships.



Smart Module FC100

100KVA - 4MVA

MODULAR STATIC FREQUENCY
CONVERTER

3:3
PHASE

Modular SFC with independent
rectifier and inverter modules.

DC Systems

For Telecom Base Stations



Superb SM Series

12-24 VDC 10A - 300A

SWITCH MODE (HF)

BATTERY CHARGER

Proven Switched Mode HF
Technology Battery Charger .



PowerBridge TC

12V-24V-48V-110V-220VDC

10A - 300A

THYRISTOR CONTROLLED

BATTERY CHARGER

Thyristor Controlled Battery
Charger.



Smart OTP Series

48VDC 50-600A

OUTDOOR TELECOM POWER
SYSTEM

48VDC Outdoor Telecom Power
System .



Smart Telco Series

48VDC 36KW

HYBRID TELECOM ENERGY
SOLUTION

Hybrid Telecom Energy Solution
with Multiple Energy Inputs(Solar +
Wind + Storage + Genset).



Solar & Energy Storage

Residential ESS

Energy Storage Home & Small Office

Off-grid

SolarAll Series Single Phase – 3.6–5.6kW

SolarAll Series Three Phase – 8–11kW

Hybrid

SolarAll –H Series Single Phase – 3–6kW

SolarAll –H Series Three Phase – 10–20kW

*** Can be combined with 5kWh~40KWH ELV Series
Wallmounted or Stackable EnSmart Lithium Battery pack



Commercial ESS

All-in-one Energy Storage

SmartESS Series – 60kW100kWh

SmartESS Series – 60kW200kWh

SmartESS Series – 150kW300kWh

- All-in-one ESS for small and medium commercial loads
- Pre-engineered, fully integrated Plug and play
- IP54 Outdoor with fire suppression and HVAC system
- Wide Battery DC Voltage Range
- Modular design easy expansion up to 10 units
- Maximum safety with Tier 1 lithium battery cells
- Long lifespan with over 10000 cycles and 15 years design life



Industrial ESS

All-in-one Energy Storage

SmartESS Series – 500kW/1000kWh
SmartESS Series – 1000kW/2000kWh

- All-in-one ESS for small and medium commercial loads
- Pre-engineered, fully integrated Plug and play
- IP54 Outdoor with fire suppression and HVAC system
- Wide Battery DC Voltage Range
- Modular design easy expansion up to 10 units
- Maximum safety with Tier 1 lithium battery cells
- Long lifespan with over 10000 cycles and 15 years design life



Battery Solutions

Battery Solutions

Lithium Battery Packs



ELV-W

5.12KWH ~ 10.24KWH

WALL-MOUNTED LOW
VOLTAGE LITHIUM BATTERY

Low Voltage Wallmounted Lithium
Battery 5.12kWh and 10.24kWh.

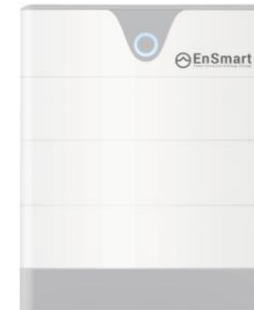


ELV-F

15KWH ~ 20KWH

RESIDENTIAL LITHIUM
BATTERIES

High Voltage Lithium Battery Floor
mounted up to 400kWh.



EHV-S

10.2 ~ 20.48KWH

RESIDENTIAL LITHIUM
BATTERIES

High Voltage Lithium Battery
Stackable up to 163.84kWh.

Battery Solutions

Lithium Battery Packs



EHV-R 25300

25.6V/300AH

C&I HV LITHIUM BATTERIES

High Voltage Rack-Mounted
Lithium Battery.



EHV-R 51150

51.2V/150AH

C&I HV LITHIUM BATTERIES

High Voltage Rack-Mounted
Lithium Battery.



ELV-R 48

48V/100AH-200AH

C&I HV LITHIUM BATTERIES

Battery Solutions

SLA, Lead Carbon Batteries



FM Series 12V

7AH - 200AH

GENERAL USE SLA BATTERY

General Purpose VRLA battery.



EDG Series 12V

100AH - 200AH

DEEP CYCLE GEL BATTERY

Battery design life up to 12 years.



PLBC Series 12V

100AH - 210AH

SUPER HIGH PSOC CYCLE
BATTERY

Pure Lead Carbon Technology..

EV Charging Solutions

EV Charging Solutions

AC Chargers



SmartBee Series

7 KW

AC EV CHARGER

1:1

PHASE

Single Phase AC Charger for private home charger.



SmartGO Series

7 - 22 KW

AC EV CHARGER

3:3

PHASE

Three /Single Phase EV charger for residential and workplace charging.

EV Charging Solutions

DC Chargers



SmartDC Series 80kW

80 KW

DC INTEGRATED EV CHARGER

3
PHASE

DC Fast Charger for shopping malls, workplaces combines 22kW AC 80kW DC Charging.



SmartDC Series 60~160kW

60KW~160KW

DC INTEGRATED EV CHARGER

3
PHASE

DC Fast Charger for hotels, hospitals.



SmartDC Series 240kW

200KW - 240KW

DC INTEGRATED EV CHARGER

3
PHASE

Ultra Fast Speed DC Fast Charger for workplaces.



SmartDC Series 480kW

360KW - 480KW

DC DISTRIBUTED EV CHARGER

3
PHASE

Ultra Fast Speed DC EV Charge Station for commercial use 10 minutes charging 400km. driving.



Wind Energy Solutions

Wind Turbines

Vertical and Horizontal



Whirly 5.0

5000W

VERTICAL WIND TURBINE

High efficiency with high performance
Neodymium Mag On-grid/off-Grid.



WinG 3300 Series

3300W

HORIZONTAL WIND TURBINE

Three Phase, AC, 3 Blades Wind
Turbine.

C&I Case Studies

Kenya Power Generation

Location: Kenya, Nairobi

Solution:
250kW/1161kWh BESS

Application Scenario:
On-grid & Off-grid, backup power
for critical loads



C&I Case Studies

McKeowns Fine Food

Location: United Kingdom, Belfast

Solution:
500kW/500kWh BESS

Application Scenario:
On-grid –Off-grid AC Coupled ESS with gas generator and PV system



EnSmart
Power Conversion & Energy Storage



C&I Case Studies

UK Electricity Northwest

Location: United Kingdom, Blackburn

Solution:
500kW/500kWh BESS + Biodiesel

Application Scenario:
On-grid –Demand Response
Management
Frequency Regulation / DFFR service
that helps National Grid control system
frequency around UK in real time by
balancing electricity demand with
generation



We're EnSmart Power

Your One Stop Source for UPS and ESS



Why Partner With EnSmart

EnSmart Partner Program



- + Training Program
- + Partner Exclusive Promotions.
- + Partner Rebate
- + Marketing Development Fund
- + Custom Project Planning.
- + Custom Partner Portal
- + Access to WhitePaper, Database
- + Priority Access to Ensmart Generated Leads.
- + Opportunity Registration
- + Join Customer Calls.
- + Presales Support
- + Case Study Collaboration
- + No Cost Power Review/Audits
- + Priority Partner Assistance
- + Partner Program Logo Usage
- + Dedicated Partner Support
- + Access To Sales Tools and Best practices.
- + Become a trusted power expert.

With Ensmart Power, you will see exactly the right partner by your side helping you fulfill your business plans



Save Time

Priority Partner Assistance.
Custom Project Planning.
Access to Sales Tools and Best practices.



Save Money

Partner Exclusive Promotions.
Partner Rebate.
Priority Access to EnSmart Generated Leads.
Oppurtunityy Registration



Become Power Expert

Training Program
No Cost Power Review/Audits
Access to White Papers and Technical Database

Thank you

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