

# OCEM Power Electronics

## Can Small and Medium Enterprises Join in a Gigantic Project?

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Monaco ITER International Fusion Days  
December 3, 2013

 **EnergyTechnology**

 **OCCEM**<sup>®</sup>

 **AUGIER**  
*energy*

France



**Multi**  
Electric

USA

苏州英达科技设备有限公司

**I**ndustry  
**T**echnology  
**S**uzhou

China

 **OCCEM**<sup>®</sup>  
**POWER ELECTRONICS**



CERTIFIED ISO 9001:2008

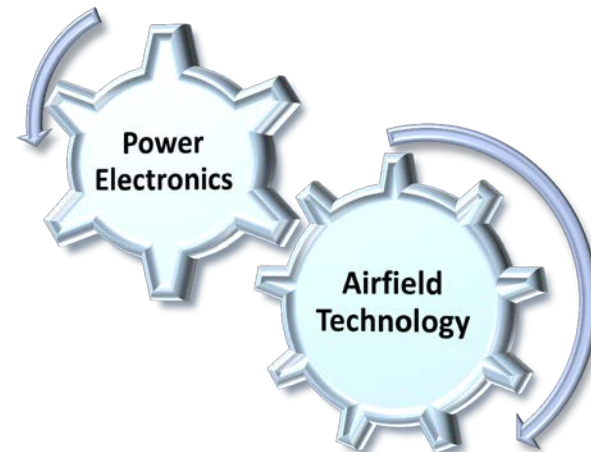
Since year 1943 OCEM is a world player in the engineering and manufacturing of **power electronics systems** for scientific and industrial applications, and for **airfield lighting**. More recently also for the **railway sector** and **public lighting**.

It is situated near **Bologna**, in the north of Italy.

Its premises include over 5.000 square meters of production and testing area, warehouse and offices.

OCEM is organized in two business units:

- POWER ELECTRONICS
- AIRFIELD TECHNOLOGY



## About us...

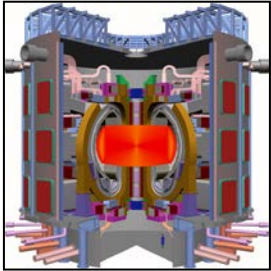
- ❖ Big Science for more than 60 years
- ❖ Innovative power and control solutions
- ❖ Challenging projects
- ❖ We follow the customer at 360°
- ❖ Investments: human resources, unique know-how

### Key figures of OCEM:

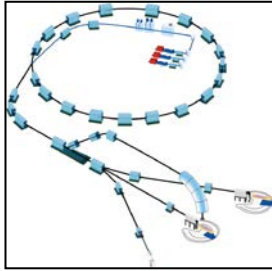
- Production value: 15 M€ (export > 80%)
- 70 employees
- R&D budget: 7%

# Core competences: Power Electronics!

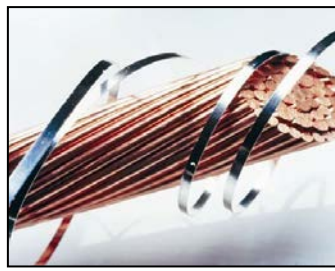
*Power Supplies and solutions based on power electronics in different fields,  
with main focus on the “big physic” projects*



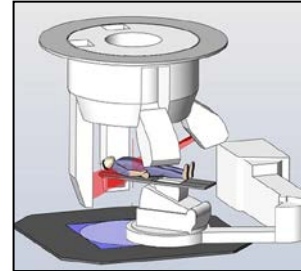
Plasma physics



Particle physics



Superconductivity



Biomedical



Advanced industry



Railways

## Skills:

**Power  
Electronics**

**Project  
Management**

**Controls &  
Interfaces**

**Assistance  
& Maintenance**

**Quality System  
Management**



# 40 years of experiences in fusion applications, mainly in the field of:

- Power Supply Systems for Additional Heating: E C R H and Neutral Injectors
- and more recently **Very High Power Switching Units**

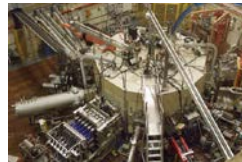
JET - UK

JT60  
Japan

FTU  
Italy

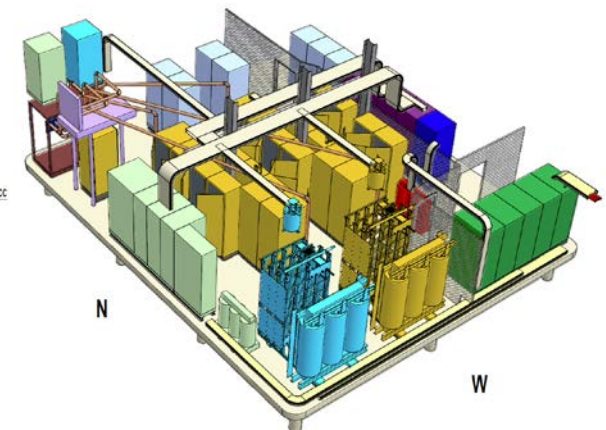
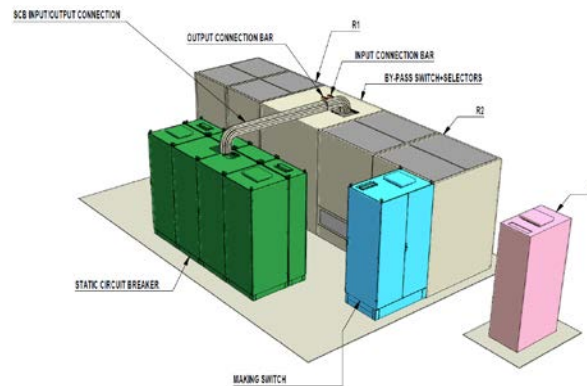
TCV -  
Switzerland

RFX  
Italy



## Recent and current experiences:

- **ECRH PS System** for the European Test Facility for the 2 MW CPD Gyrotrons in **CRPP** - Lausanne
- **Switching Network Units** for the superconducting poloidal coils of **JT60SA**, 4 units (ongoing)
- **Ion Source and Extraction Grid Power Supplies System** for the NBI of PRIMA TF and ITER (ongoing).



*For further information contact us:*

**OCEM**

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