

IBERDROLA

Air Filtration

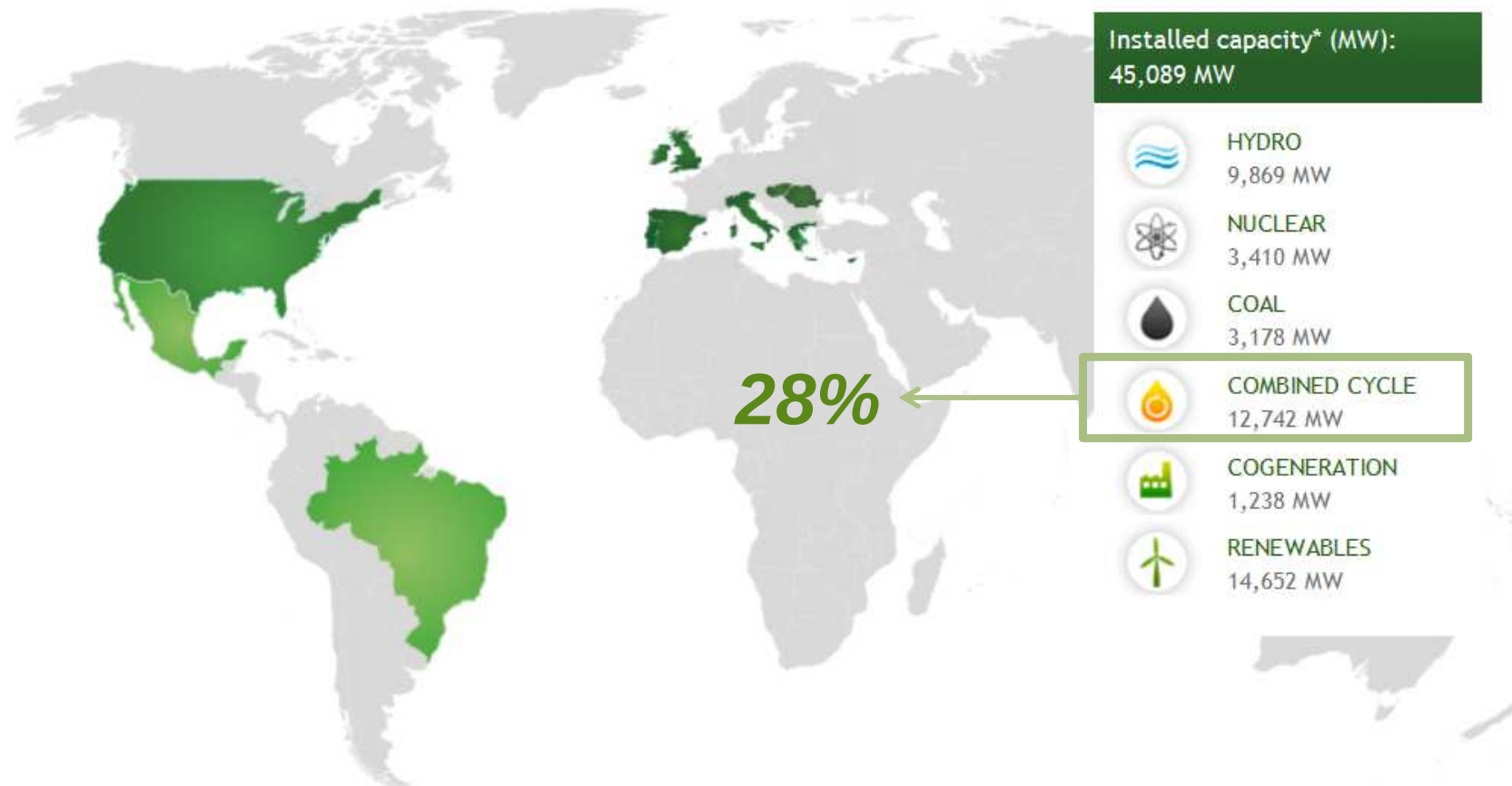
Thermal Generation



IBERDROLA

Overview

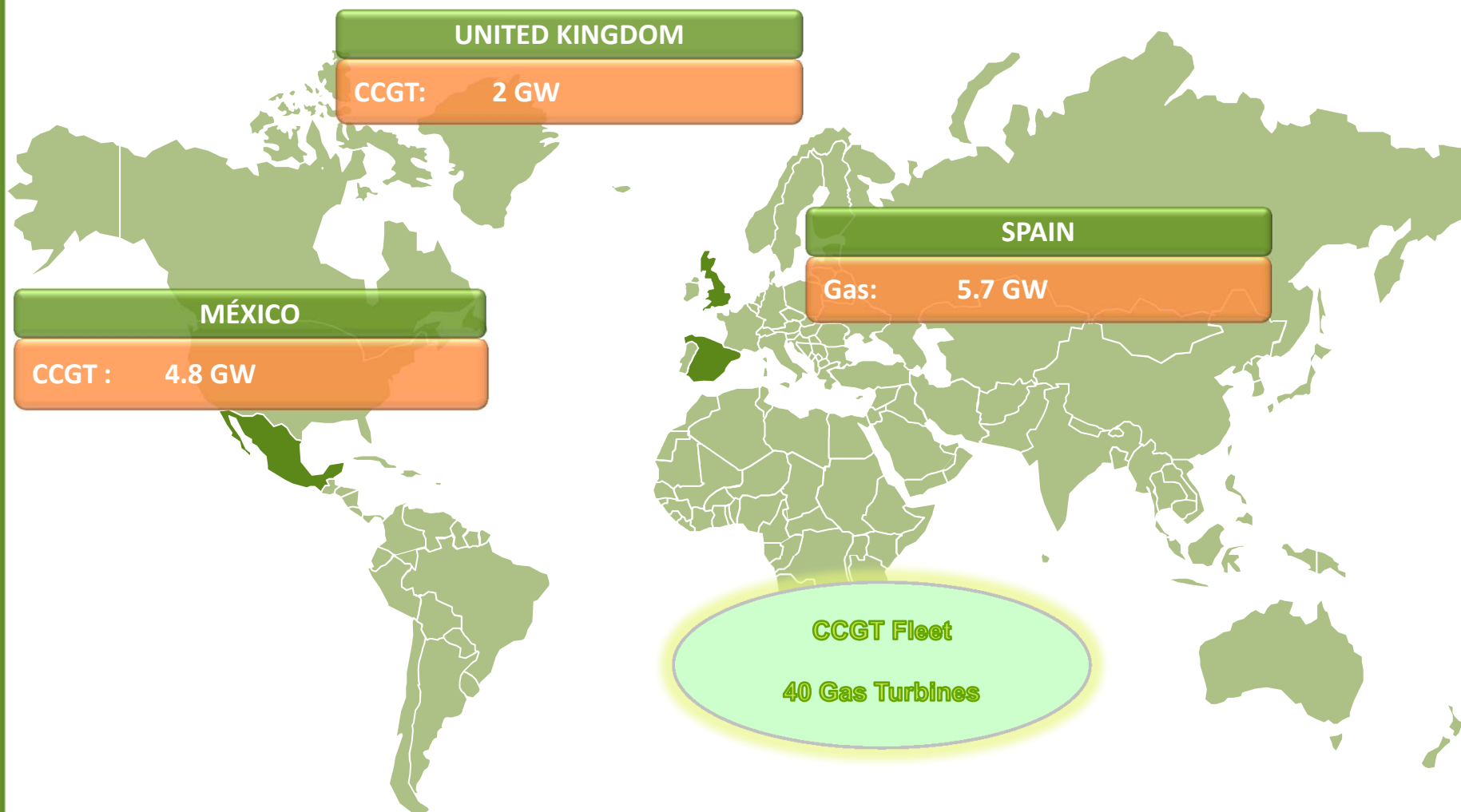
IBERDROLA is a World-wide utility owning over 45,000 MW of installed capacity distributed as detailed on the [Facilities Map](#).



Installed capacity, Full Year 2014

(*) Note: Total MW under management. For operational purposes IFRS 11 is not being applied

Thermal Overview



Air Filtration Suppliers

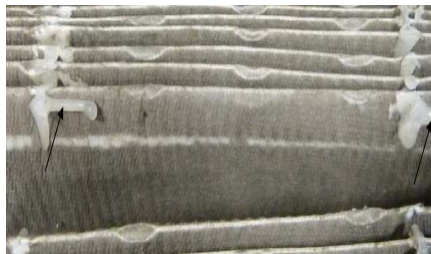
CURRENT SUPPLIERS	COUNTRIES
DONALDSON	SPAIN MEXICO UK USA BRASIL
GE	
FREUDEMBERG	
AAF	
TTE	

Technical guideline for Air Filtration selection

- Ambient conditions: humidity, industrial area, salinity, ...etc
- Operation conditions
- Maintenance intervals vs HR

Issues of concern w/in AF system

- **Pulse Filtration system:**
 - Operational guidelines
 - On-load vs Off-load
 - Media degradation
 - Horizontal disposition → dust accumulation on lower part
- **Media degradation**
 - High Temperature. External layer detachment
- **Observed irregularities on media disposition**
- **External metal matrix oxidation**



Fotografía n° 1.-Imagen de un filtro en la instalación



Fotografía n° 2.-Aspecto del trozo de filtro recibido

