ENUSA EN EL MERCADO DEL COMBUSTIBLE NUCLEAR

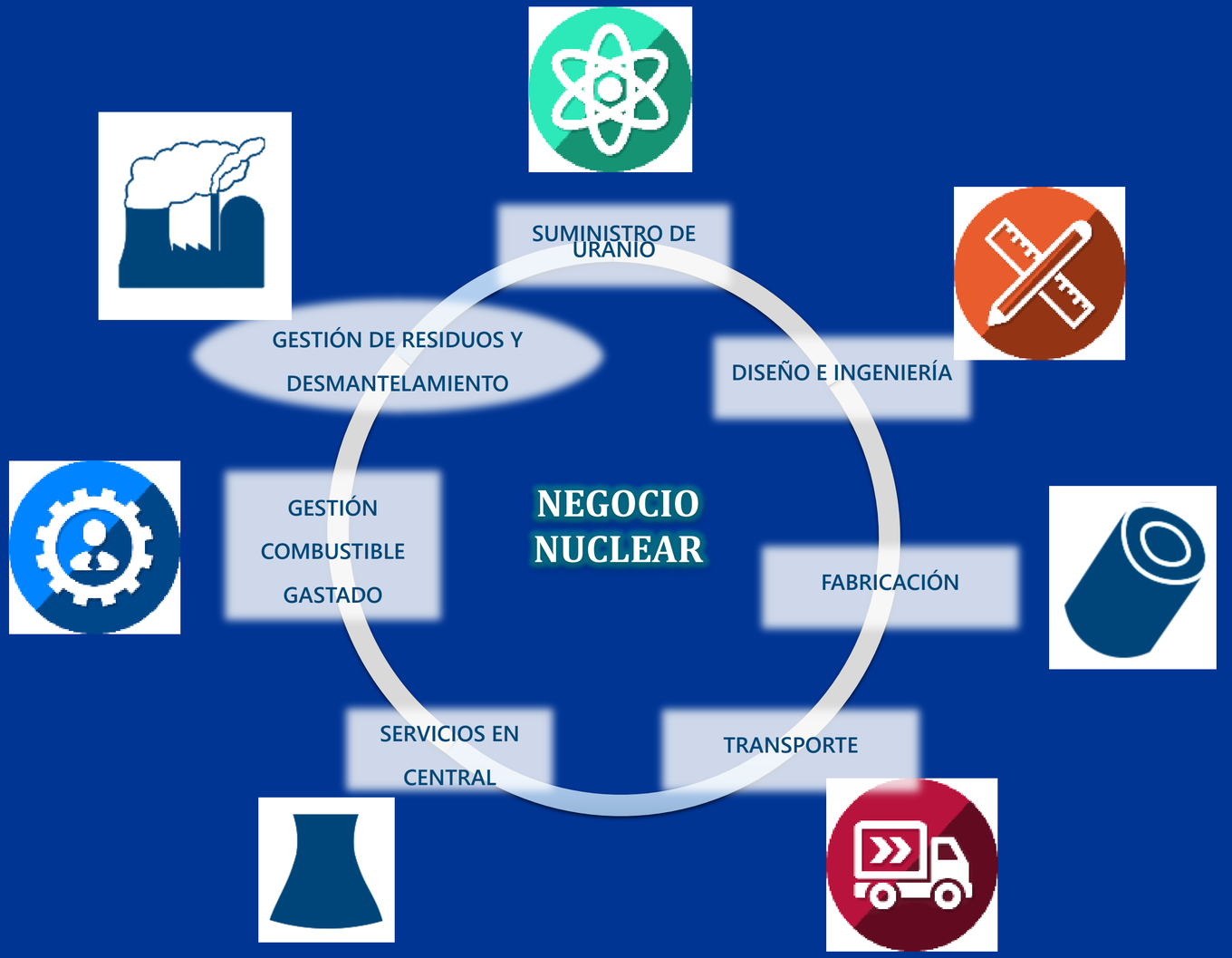
Diciembre 2025

Empresa Estatal

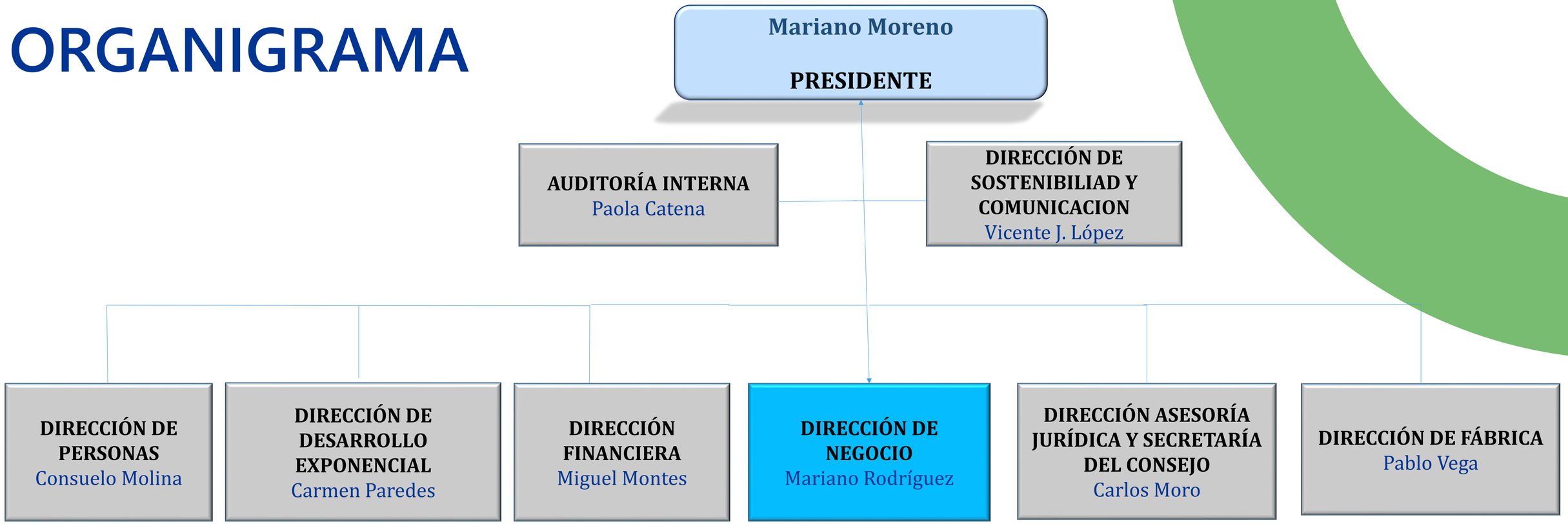
ENUSA es una empresa estatal constituida en 1972 para dar soporte a los ambiciosos planes de centrales nucleares que España tenía en marcha en la década de los 70.

Actualmente, España cuenta con 7 reactores en funcionamiento.

Actividades Negocio Nuclear

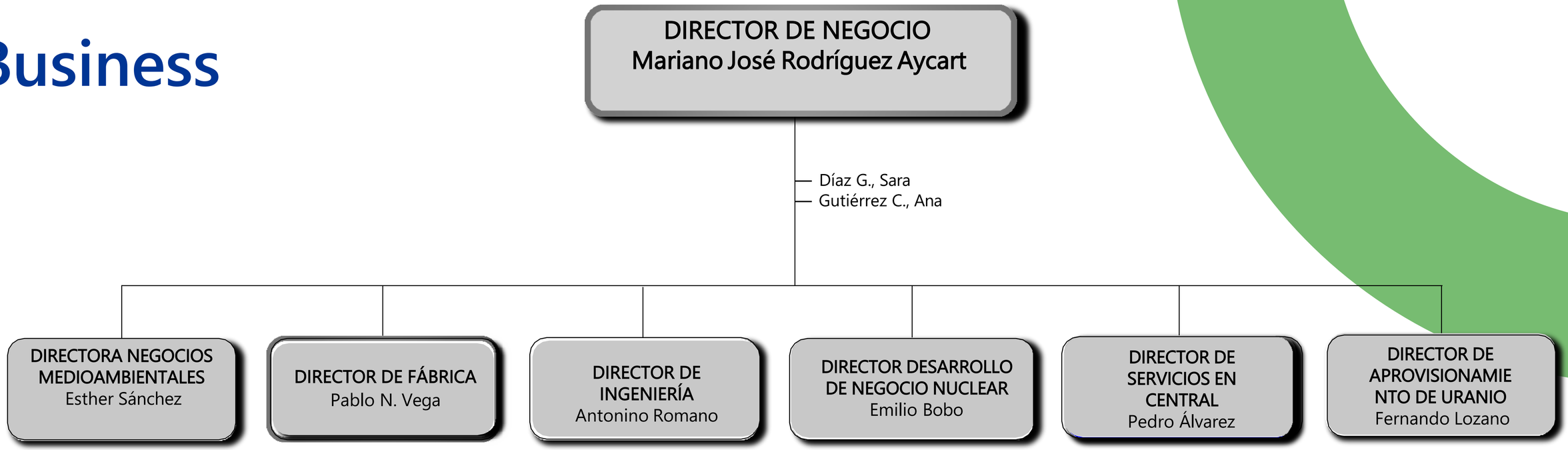


ORGANIGRAMA



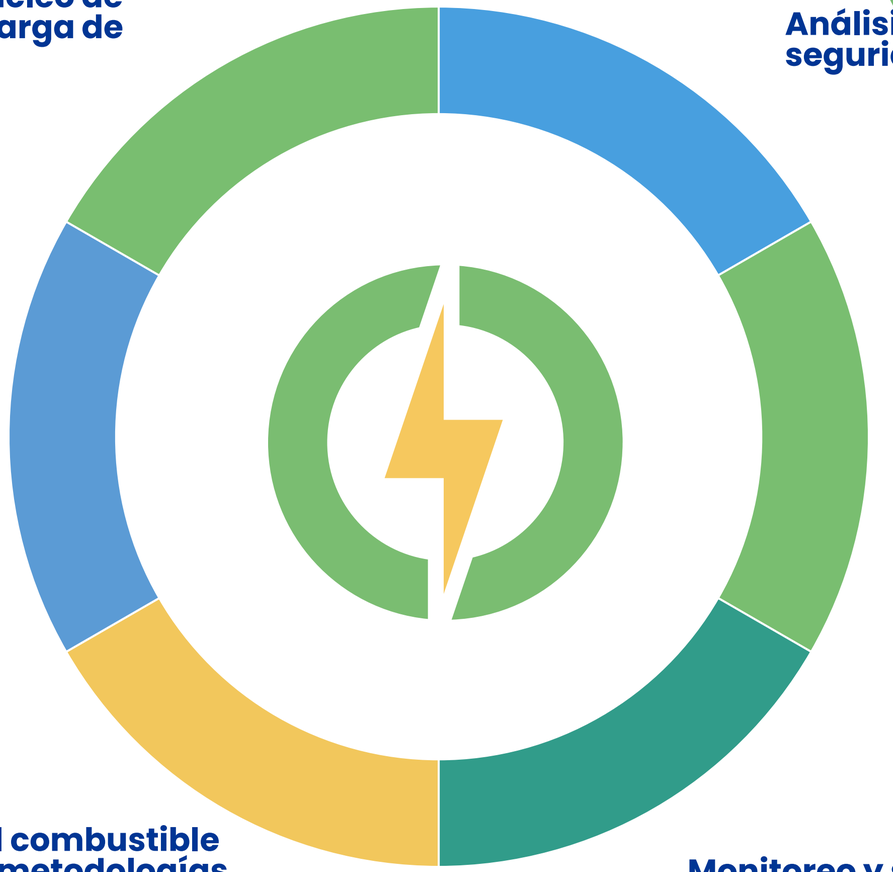
ENUSA PROPRIETARY INFORMATION

Business


DIRECTOR DE NEGOCIO
Mariano José Rodríguez Aycart
Díaz G., Sara
Gutiérrez C., Ana
DIRECTORA NEGOCIOS MEDIOAMBIENTALES
Esther Sánchez
DIRECTOR DE FÁBRICA
Pablo N. Vega
DIRECTOR DE INGENIERÍA
Antonino Romano
DIRECTOR DESARROLLO DE NEGOCIO NUCLEAR
Emilio Bobo
DIRECTOR DE SERVICIOS EN CENTRAL
Pedro Álvarez
DIRECTOR DE APROVISIONAMIENTO DE URANIO
Fernando Lozano

Servicios de Ingeneria

Amplia experiencia en la prestación de servicios de ingeniería a centrales nucleares europeas, que abarcan la introducción de nuevos combustibles, el diseño y la concesión de licencias de combustible, el diseño nuclear, la monitorización del núcleo y la gestión del combustible gastado.



Juzbado Facility (December 2024)

Commissioning

1985

500 tU/año

Licensed Capacity

<5w/o u-235

Authorized Enrichment

Products Scope

- Pelletizing UO2+Gd
- Fuel rods
- Fuel assemblies

Fuel Assemblies

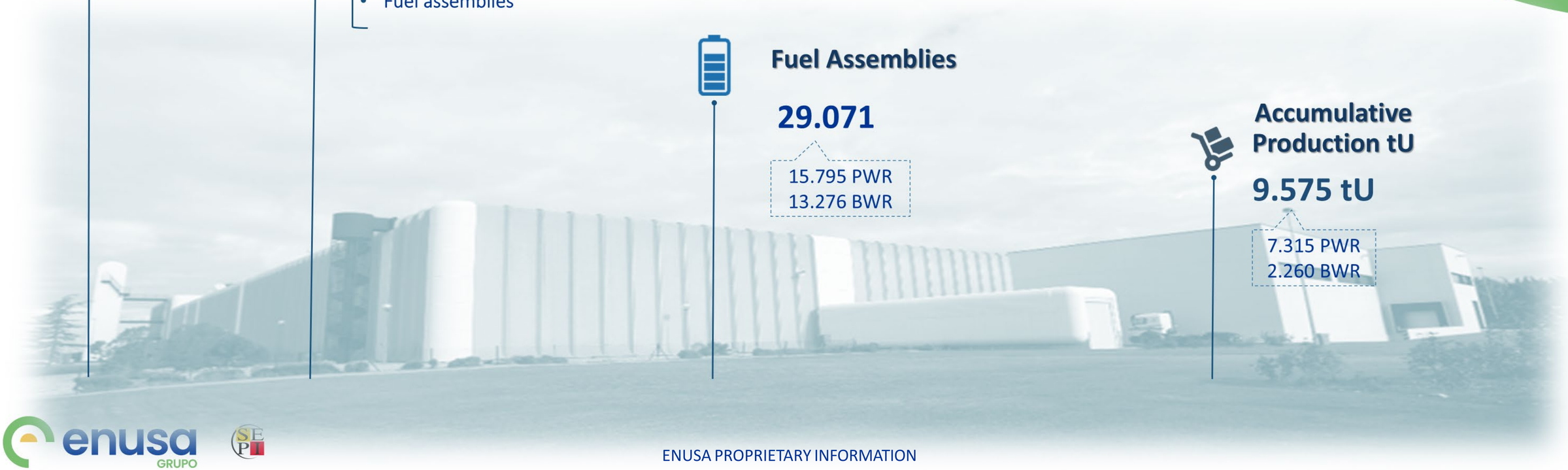
29.071

15.795 PWR
13.276 BWR

Accumulative Production tU

9.575 tU

7.315 PWR
2.260 BWR



Technological & strategic alliances

Enusa A keeps technological alliances with Westinghouse and GN-H/GNF.

Some other potential partners are beign explored.



Westinghouse

Commercial agreement

CNNC & CGN

Agreements in China

Genusa

Commercial aliance GNF & Enusa

KNF

Agreement on technology cooperation

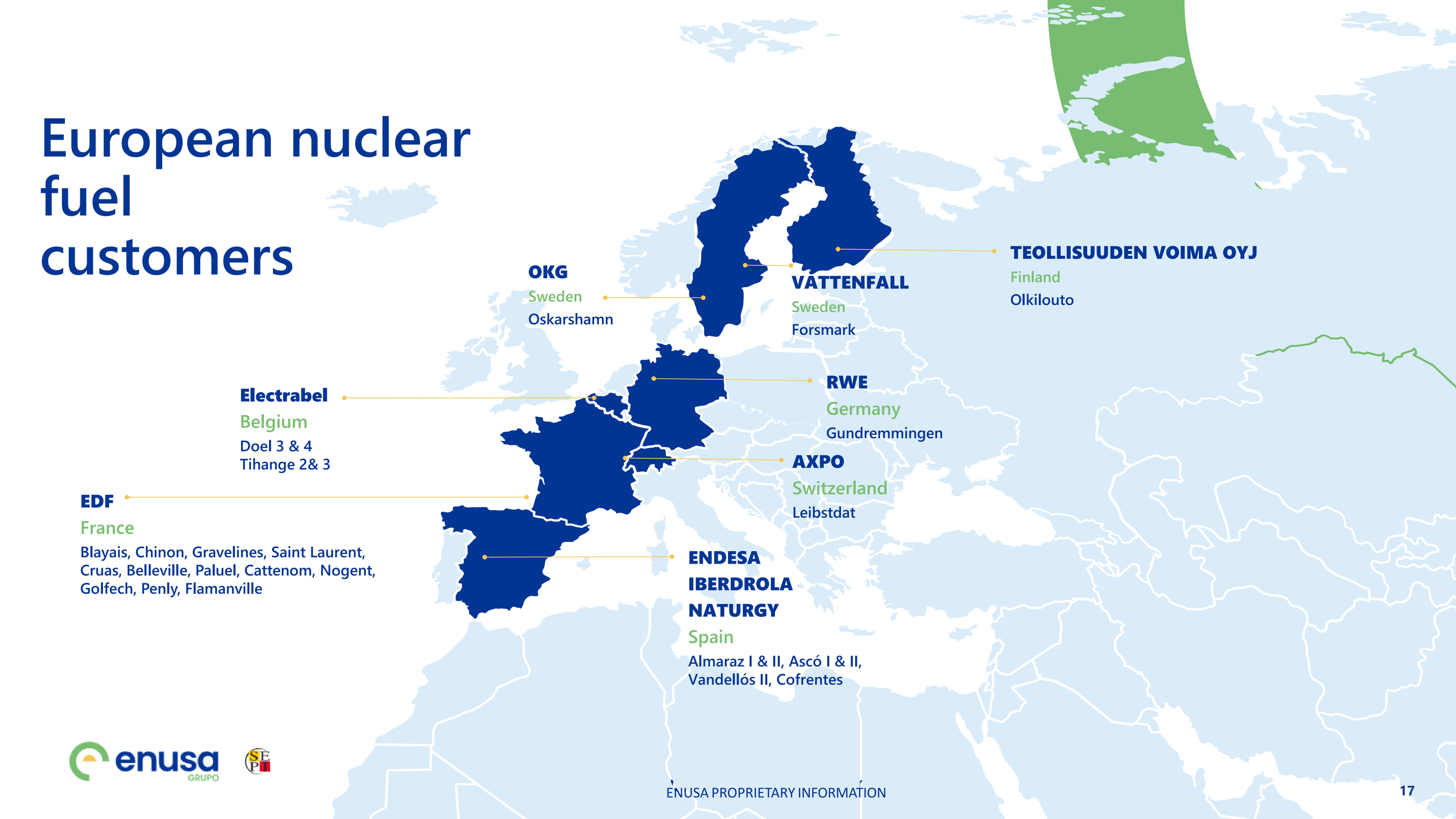
Westinghouse

Agreement on technological transfer

GNF

Agreement on technological transfer

European nuclear fuel customers



OKG
Sweden
Oskarshamn

VATTENFALL
Sweden
Forsmark

TEOLLISUUDEN VOIMA OYJ
Finland
Olkilouto

Electrabel
Belgium
Doel 3 & 4
Tihange 2& 3

RWE
Germany
Gundremmingen

AXPO
Switzerland
Leibstdat

EDF
France
Blayais, Chinon, Gravelines, Saint Laurent, Cruas, Belleville, Paluel, Cattenom, Nogent, Golfech, Penly, Flamanville

ENDESA
IBERDROLA
NATURGY
Spain
Almaraz I & II, Ascó I & II, Vandellós II, Cofrentes

On-site fuel services

ENUSA provides high added value on - site services.

ENUSA has developed and owns several characterization and inspection equipments to provide these services to NPPs.

- Fresh fuel handling
- Irradiated fuel and core components handling
- Leaking fuel inspection
- Fuel repair and reconstruction
- Fuel inspection and characterization
- High efficiency ultrasonic fuel cleaning
- Fuel assembly burnup characterization



ENUSA PROPRIETARY INFORMATION

Rad Waste management and decommisioning

1. Radiological characterization



1.1. Drone and detector system for lands and walls characterization



1.2. Drone and detector system for radiological surveillance.

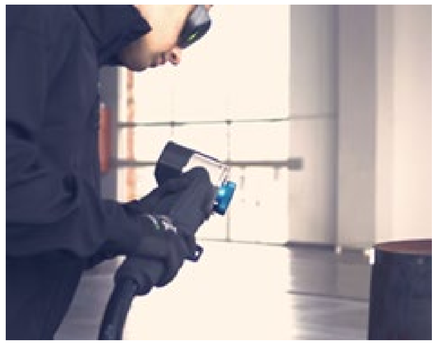


1.3. SISCAREN-RBBA

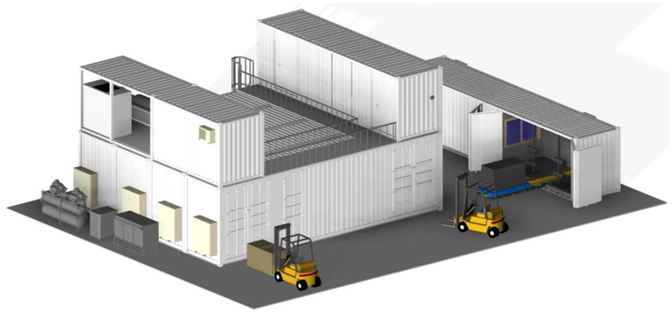
Improved classification or declassification process.

Waste management and decommisioning

2. Waste management

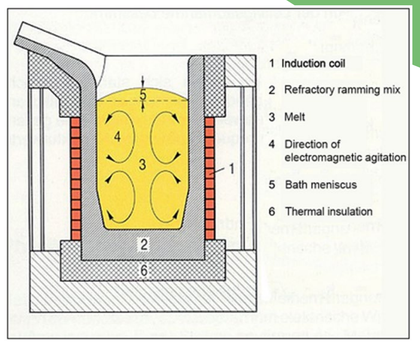


2.1. Laser decontamination



2.2. IPRE

Portable facility for waste management



2.3. Melting furnace

Portable facility for metallic waste

Waste management and decommisioning

3. Centre of Technology and Equipment Maintenance (CTME)



3.1. CTME

THANK YOU VERY MUCH!!