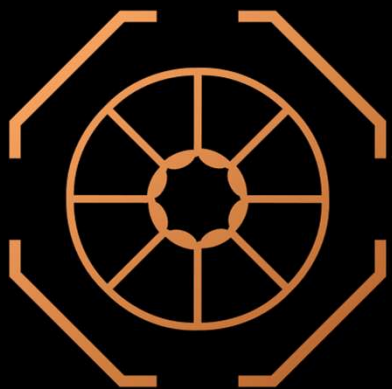




sef
Technologies

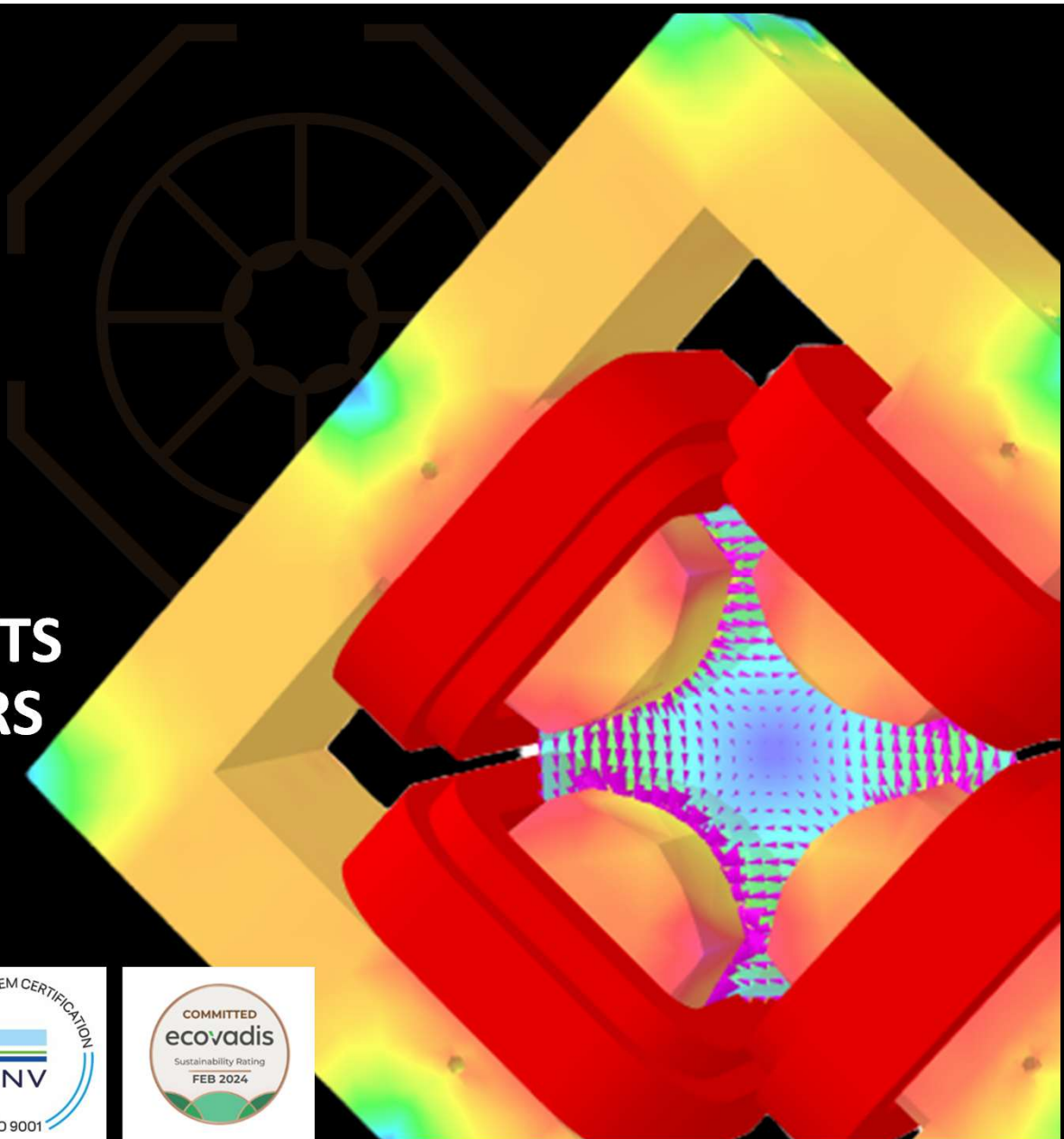
COILS AND ELECTROMAGNETS FOR PARTICLE ACCELERATORS

Established 1981

Vincent Vuatelet



www.sef-technologies.com

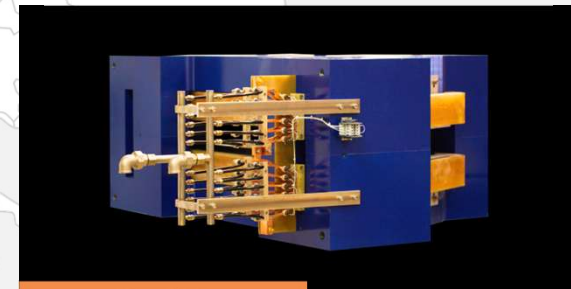


ABOUT US

- SEF Technologies: Leading Innovators in Particle Accelerator Components.
- Established in 1981 with 40+ years of expertise in electromagnets for particle accelerators.
- Located in Toulouse, France, SEF boasts an agile team of skilled professionals: engineers, technicians, and operators.
- Specializing in custom solutions for synchrotrons, linear accelerators, and cutting-edge medical applications.

Based in Toulouse, 1h direct flight from Paris.

Agile team, highly experienced professionals including operators, technicians and engineers



CORE COMPETENCE

Comprehensive Expertise Across the Production Lifecycle:

- Engineering: Advanced magnetic simulations and mechanical designs using state-of-the-art tools (Opera/3DS).
- Production of Coils: Custom manufacturing tailored to specifications.
- Machining: High-precision fabrication using advanced equipment.
- Assembly, Testing & Control: Rigorous quality assurance ensuring compliance with international standards.



ENGINEERING



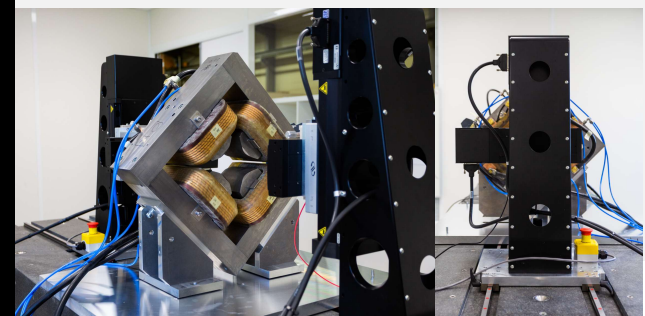
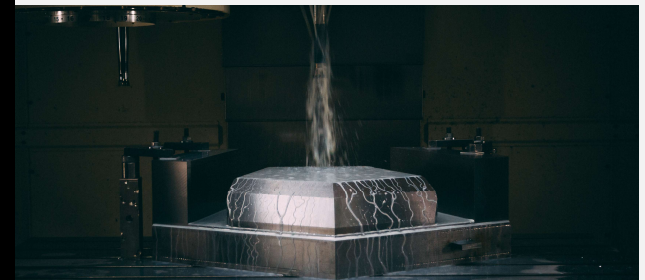
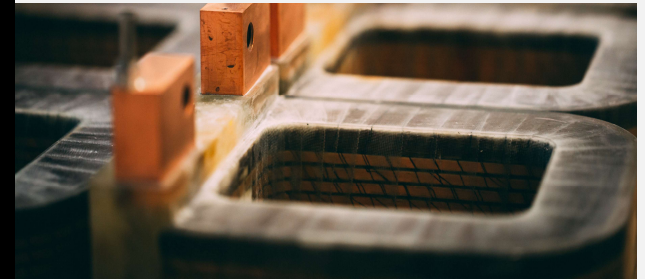
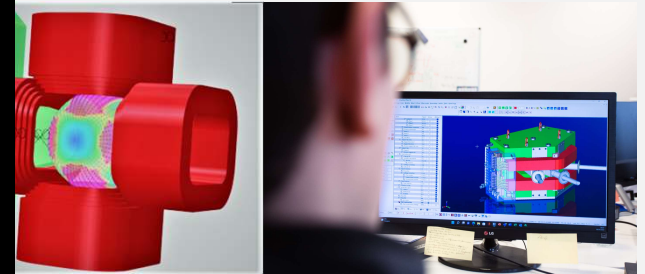
PRODUCTION
OF COILS



MACHINING

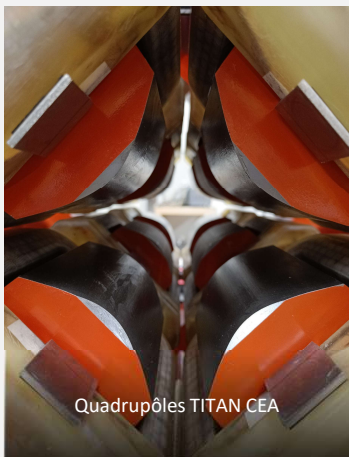


ASSEMBLY, CONTROL
AND TESTING



PRODUCTS

SEF expertise includes the manufacture of the following products:



Quadrupôles TITAN CEA

> RESISTIVE MAGNETS

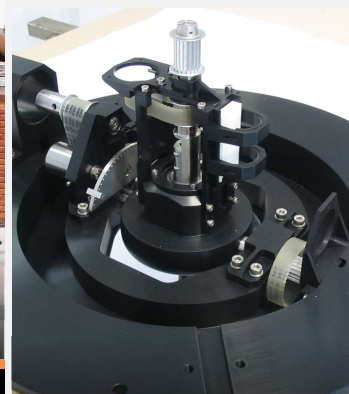
Dipoles, quadrupoles, sextupoles, solenoids, cyclotron main coils, cyclotron correction coils, focusers, inverters, special shaped coils



Permanent and resistive dipoles
SOLEIL

> PERMANENT MAGNETS

Dipoles, quadrupoles, inverters



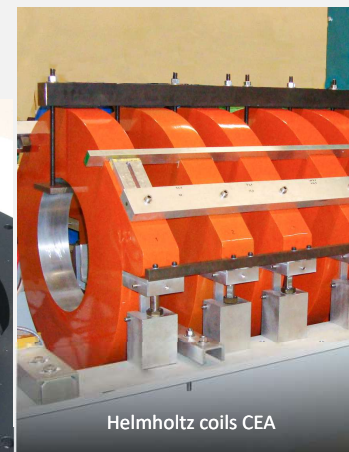
Mechanical equipment ONERA

> MECHANICAL ASSEMBLY

Prototypes of electric motors for aeronautics, automotive, and drone sectors

Venturi injectors

Radar antennas



Helmholtz coils CEA

> INTEGRATION INSTALLATION

Installation on customer premises

Equipment integration (ex.: routing device)

MARKET & APPLICATIONS

SEF has specialised in **large-scale particle accelerators, applied medical magnets and ion implantation facilities.**

SEF has acquired the experience and customer references to be considered for inclusion on fourth generation projects.



Synchrotrons



Medical market



Ion implantation for semiconductors



THALES



GANIL



Elettra Sincrotrone Trieste



HZB Helmholtz Zentrum Berlin



NUSANO

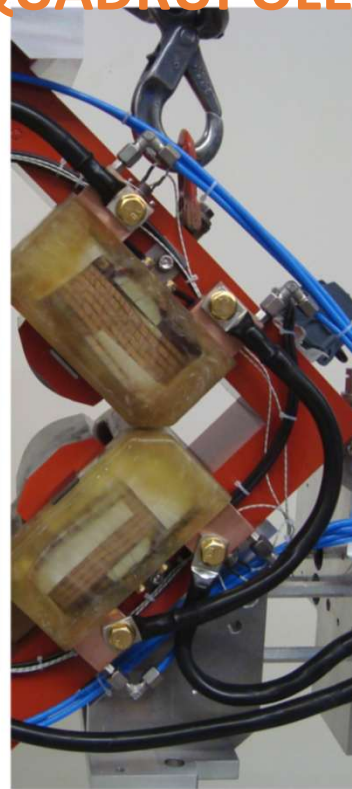


PRODUCT PORTOFOLIO

DIPOLES



QUADRUPOLES SEXTUPOLES

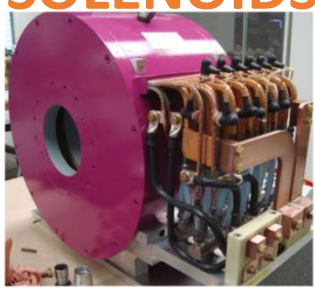


OCTUPOLES



FOCALIZERS

SOLENOIDS



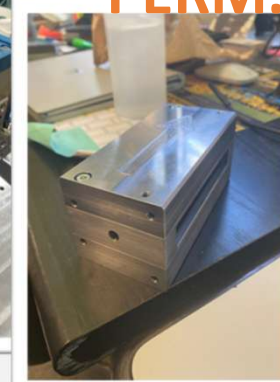
BUNCHERS



!!NEW!!



!!NEW!!
PERM. MAG.



!!NEW!!



Your Partner in Innovation and Excellence:

- SEF Technologies delivers industry-leading solutions for particle accelerators, medical applications, and beyond.
- Contact us to explore custom solutions tailored to your unique needs:
 - **Eric Fanio | CEO**
Email: eric.fanio@sef-technologies.com | Phone: +33 6 52 61 19 16
 - Visit us at www.sef-technologies.com

THANK YOU FOR YOUR ATTENTION

www.sef-technologies.com

