

TRIGA
INTERNATIONAL

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History of

T raining **R** esearch **I** sotope production **G** eneral **A** tomics

- * TRIGA conceived at GA in 1956 by a distinguished group of scientists including Edward Teller and Freeman Dyson
- * First TRIGA REACTOR. TRIGA Mk-1 commissioned on 3 May 1958 at G.A.
- * Characteristic feature of TRIGA reactors is INHERENT SAFETY
 - Sitting can be confinement or conventional building
- * TRIGA reactors are the most prevalent in the world
 - 67 reactors in 24
- * Steady state powers up to 14 MWt, pulsing up to 22,000 MWt

To enlarge the scope of its manufactured products ,
CERCA engaged in a Joint Venture with GENERAL ATOMICS, and in
July 1995 a new Company was founded :

TRIGA INTERNATIONAL SAS

50% GA, 50% CERCA

Head Office: Paris (France)

**Sales offices : GA San Diego (Ca, USA)
CERCA Lyon (France)**

Manufacturing plant: CERCA Romans

TRIGA's ID

GENERAL ATOMICS

LOCATION: San Diego, California

FOUNDED: 1955 by General Dynamics

STATUS: Privately held corporation

OWNERS: Neal and Linden Blue

BUSINESS: High technology research, design, manufacturing, and production for industry and Government in the U.S. and overseas

LOCATIONS: U.S., Germany, Japan, Australia, Thailand, Morocco

EMPLOYEES: 5,000



TRIGA's ID

CERCA :

Subsidiary of AREVA

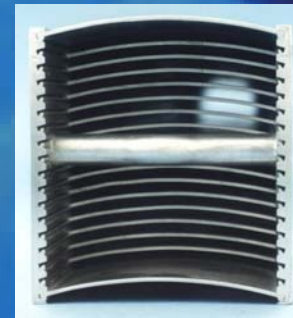
Date of Birth : November 05th 1957

Activities :

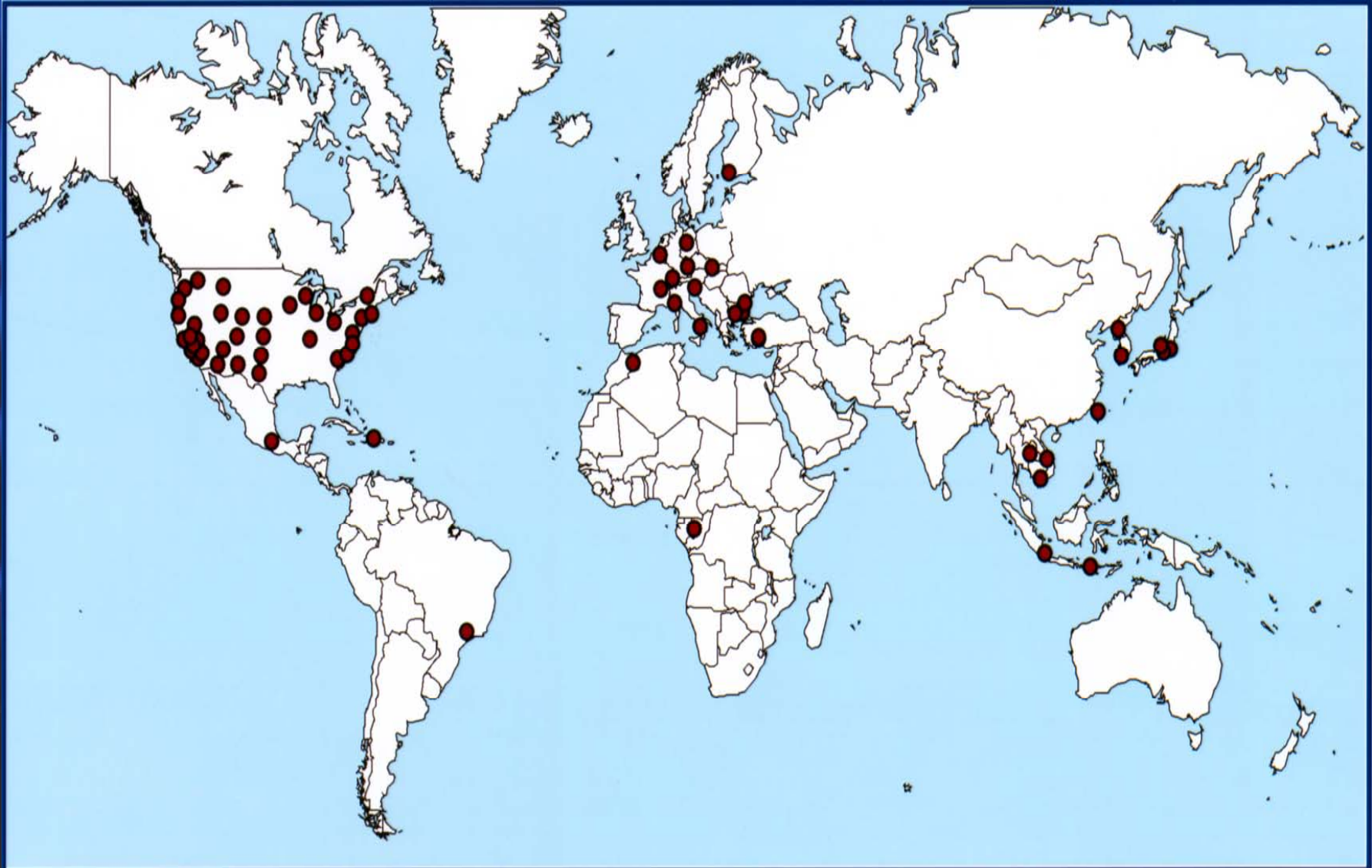
- Fuel Manufacture for research reactor
- Equipment and components for high-energy Physics
- Radioactive sources and reference sources

Plants Locations : Romans and Pierrelatte – France

Total strength : 180



TRIGA's world



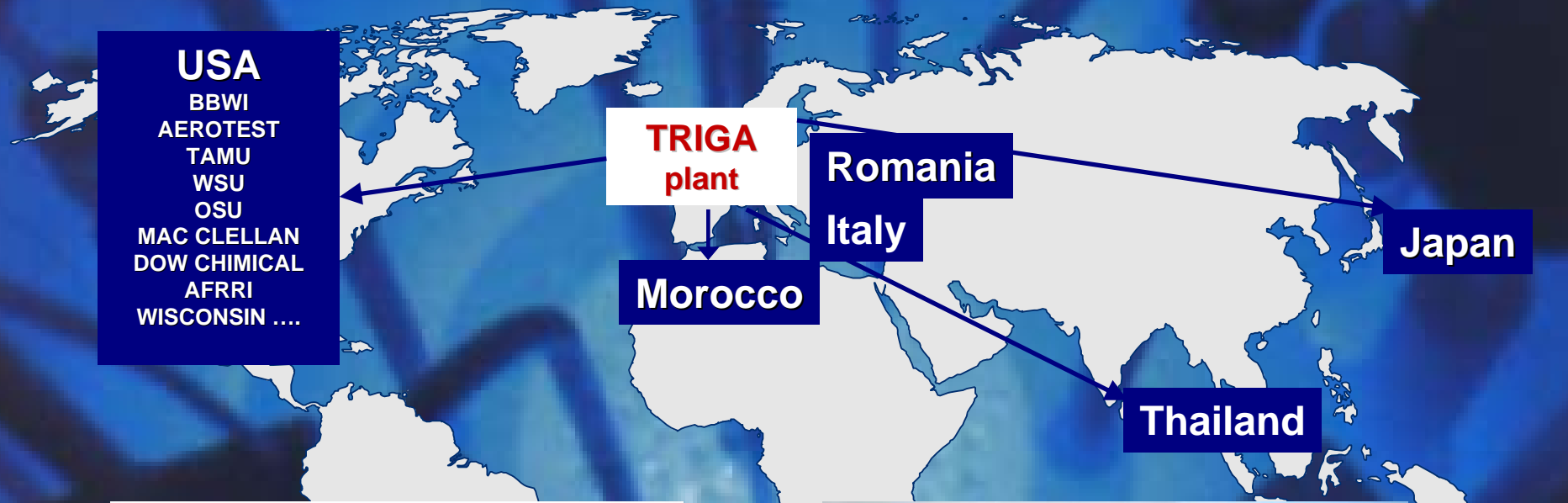


Since the last five years TRIGA has manufactured and delivered :

More than 800 Fuel Elements



Door to door service.



USA
BBWI
AEROTEST
TAMU
WSU
OSU
MAC CLELLAN
DOW CHIMICAL
AFRI
WISCONSIN

**TRIGA
plant**

**Romania
Italy**

Morocco

Japan

Thailand



Conclusion

. TRIGA International has the experience to manufacture all types of TRIGA fuel

- Fuel Elements

- * Standard fuel elements
- * Instrumented fuel elements
- * Fuel followed control rods

- Geometry

- * 37.3mm (1.47 in.), 35.8 mm (1.4 in), 13 mm (0.5 in)

- Chemical Composition

- * U weight percent – 8.5, 12, 20, 30 and 45 w/o
- * Erbium and no erbium

. TRIGA International is on INL's approved vendor list (ISO 9000/NQA)

. TRIGA International is ready to meet any TRIGA fuel needs either in the US or Worldwide