

**IAEA/USA INTERREGIONAL TRAINING COURSE
13-24 January 1997, Argonne, Illinois, USA**

**WORLDWIDE EXPERIENCE
IN RESEARCH REACTOR
FUEL CYCLE
TRANSPORTATION**

**D. Raisonier - TRANSNUCLEAIRE
J. Mangusi - TRANSNUCLEAR**

TRANSNUCLEAIRE/TRANSUCLEAR PRESENTATION

30 YEARS OF WORLDWIDE SPECIALIZED EXPERIENCE

- TRANSPORT AND ENGINEERING
SERVICES FOR ALL RADIOACTIVE
MATERIALS**
- DESIGN AND SUPPLY OF ASSOCIATED
PACKAGINGS**
- STUDIES ON REGULATORY,
TECHNICAL, ECONOMIC ASPECTS**

CASK PROCUREMENT

**FROM 1997 TO 1999 : IU04 (PEGASE)
CASK**

FROM 1999 : TN-MTR CASK

OPERATION WEIGHT : ABOUT 20 TONS

SUITABLE FOR MTR AND TRIGA FUEL

FAILED SPENT NUCLEAR FUEL CANNING

EXPERTISE IN

- DESIGN AND SUPPLY OF CANNISTERS
AND HANDLING EQUIPMENT**
- OPERATING PROCEDURES AND
IMPLEMENTATION**
- REGULATORY APPROVALS**

CERTIFICATION OF CASKS

- **SKILL AND EXPERIENCE IN DESIGN, ANALYSIS, TESTING AND OPERATION OF NUMEROUS PACKAGINGS**
- **CASKS IN USE AND CERTIFIED IN MORE THAN 20 DIFFERENT COUNTRIES**
- **ACTIVITIES CONDUCTED UNDER ISO 9001 QA PROGRAM AND NRC-APPROVED QA PROGRAM IN THE U.S.**

INTERACTIONS WITH FRR OPERATORS

- **FUEL TECHNICAL DATA**
- **FUEL CONDITION**
- **TECHNICAL ASSISTANCE**

TRANSPORTATION SERVICES

- **DOOR TO DOOR ON WORLDWIDE BASIS**
- **FULL COMPLIANCE WITH ALL REGULATIONS (SAFETY/PHYSICAL PROTECTION)**
- **CUSTOMS FORMALITIES**
- **INSURANCE ANALYSIS AND PROCUREMENT**

CONCLUSION

DEMONSTRATED EXPERIENCE IN ALL ASPECTS

FULL COOPERATION OF THE TN GROUP TO SUPPORT THE DOE PROGRAM

PARTNERSHIPS FOR IMPLEMENTATION