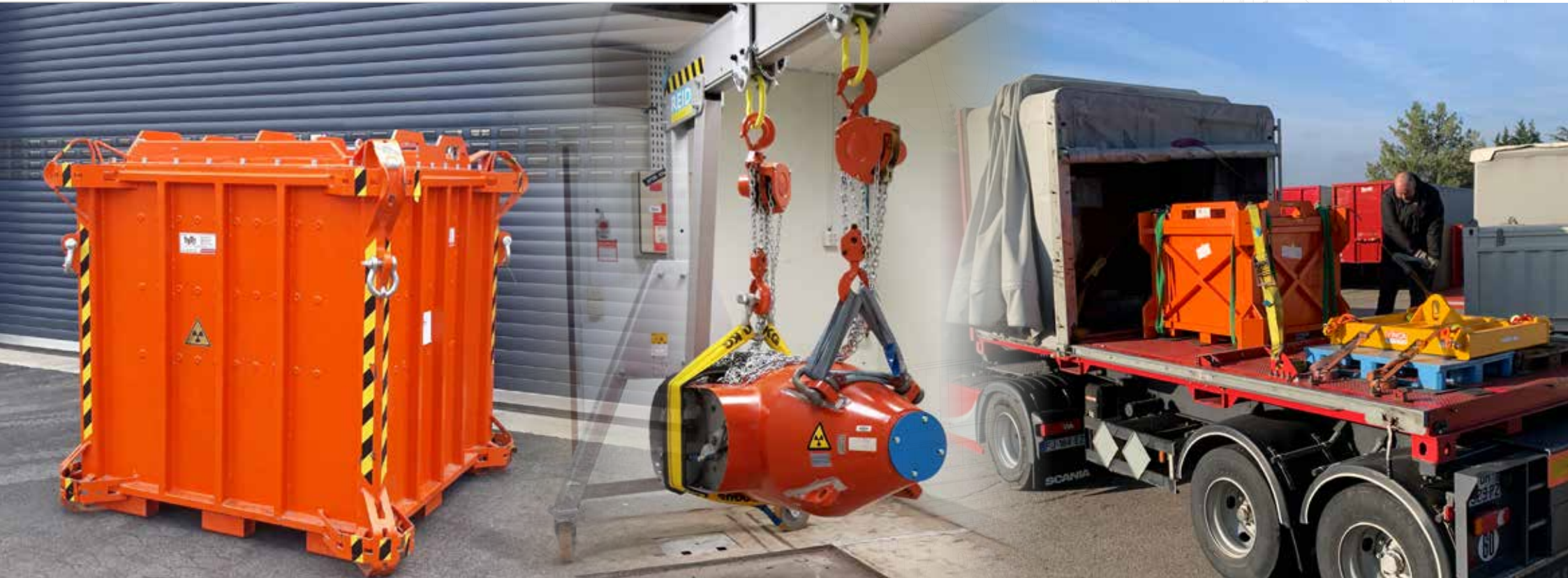




# DISMANTLING

> HOSPITALS > RESEARCH CENTERS > INDUSTRIES > LABORATORIES





## OUR TEAM

- > Secret and Class 7 cleared staff
- > Staff entitled to work under ionizing radiation
- > Transport Safety Advisor (TSA)
- > Competent Radiological Protection Person (CRPP)
- > Sources support technician
- > Dedicated sales contact
- > Trilingual staff (French, English, Spain)



## OUR RESOURCES

- > Type A or B(U) packaging, including one specialized for neutron sources
- > Fleet of special vehicles, some adapted for SSHA transport
- > Bonded warehouse
- > Maintenance workshop
- > Technical design office (manufacture of specific carts adapted to the customer's equipment)
- > Non-destructive testing
- > Quality department



# - DISMANTLING



## CERTIFICATIONS

- > Company declared to the French Nuclear Safety Authority (ASN)
- > IAEA-approved supplier for sources recovery
- > Authorization for the transport of radioactive materials
- > Authorization for the transport of nuclear materials, category III
- > Authorization for exceptional transport, 1st, 2nd and 3rd categories
- > ISO 9001, 14001, 45001, CEFRI E, COFREND
- > CSR strategy



## A GLOBAL SERVICE

- > Evaluation of your request
- > Characterization of sources
- > Intervention and securing sources
- > Evacuation and transportation
- > Recycling of radioactive sources (Co-60, Cs-137, AmBe...)
- > Recycling of depleted uranium
- > Recycling of special alloys (thorium, magnesium...)





EXPERTIZE



# - DISMANTLING



## **DISMANTLING: OUR EXPERTIZE FROM A TO Z**

- **Our company, registered by the Nuclear Safety Authority**, created a specific service for every dismantling of sources: radioactive elements in the hospitals, the universities, in some non-nuclear industries and activities related to defense.
- **Our vocation:** organize the repatriation of used radioactive sources from medical industries (including radiotherapy), nuclear industries or laboratories.
- **We take in charge your obsolete equipment** from their evacuation and transportation to recycling.
- **One of our main concerns is safety** against malicious acts.
- We can operate in France and abroad.





EXPERTIZE



# - DISMANTLING



## OUR ASSETS

---



- We have a **perfect technical knowledge** of the devices to dismantle.
- We provide continual regulatory watch for case study and consulting.
- We can provide **specific authorization** from the Nuclear Safety Authority as provided in the articles R.1333.25 and R.1333.34 of the Public Health Code.
- Our staff is part of a **group that works at every level of the nuclear supply chain**.
- Our company is based in France.
- **We can answer every requests**, however the technical difficulties.
- We can deploy on the **five continents**.







# - DISMANTLING



## WHO CAN ACCESS OUR SERVICES?



HOSPITALS



INDUSTRIES



RESEARCH CENTERS



LABORATORIES

## WHICH DEVICES WE TAKE CARE OF?

- > Radiotherapy machines
- > Blood irradiators
- > Linear accelerators
- > Industrial irradiators
- > Research devices
- > Orphan sources



Gammacell 1000



Alcyon



Theratron

Whichever the state  
and the brand



EXPERTIZE



# - DISMANTLING



## OUR BUSINESS PROCESS

1

**Study** of the  
characterization  
of the source

2

Customer  
need **analysis**

3

**Business trip**  
for site visit

4

Intervention  
**planning**

5

**Setting prices**  
for services

6

Mutual  
process  
**validation**

7

**Intervention**  
following  
the modus  
operandi  
validated

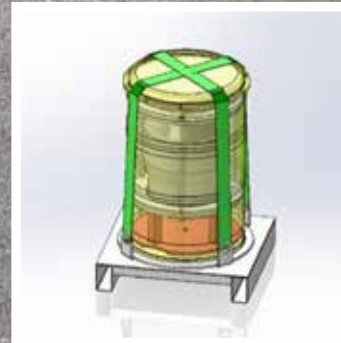
8

**Issuing** of the  
certificate of  
sources recovery





EXPERTIZE



# - DISMANTLING



## OUR TECHNICAL MEANS

### **Type A and type B(U) packages**

We are able to offer you a wide range of packagings made for radioactive sources transportation.

### **Specific tools**

Used to handle every kind of devices.

### **Handling tools for heavy loads**

Especially compatible with confined spaces.





EXPERTISE



SEALED  
R 82266

↑ ↑  
**ALIGN SLOT WITH  
ARROWS TO REMOVE  
OR REPLACE LID**

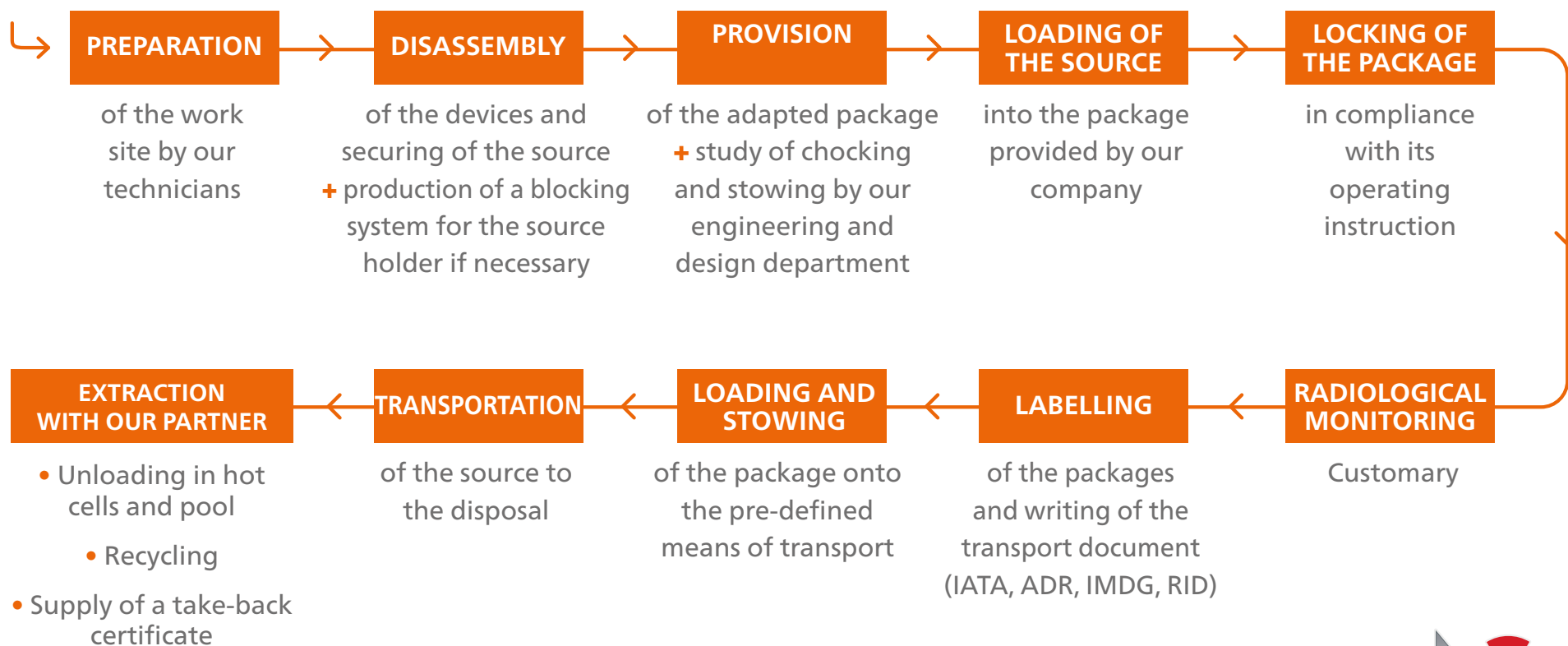




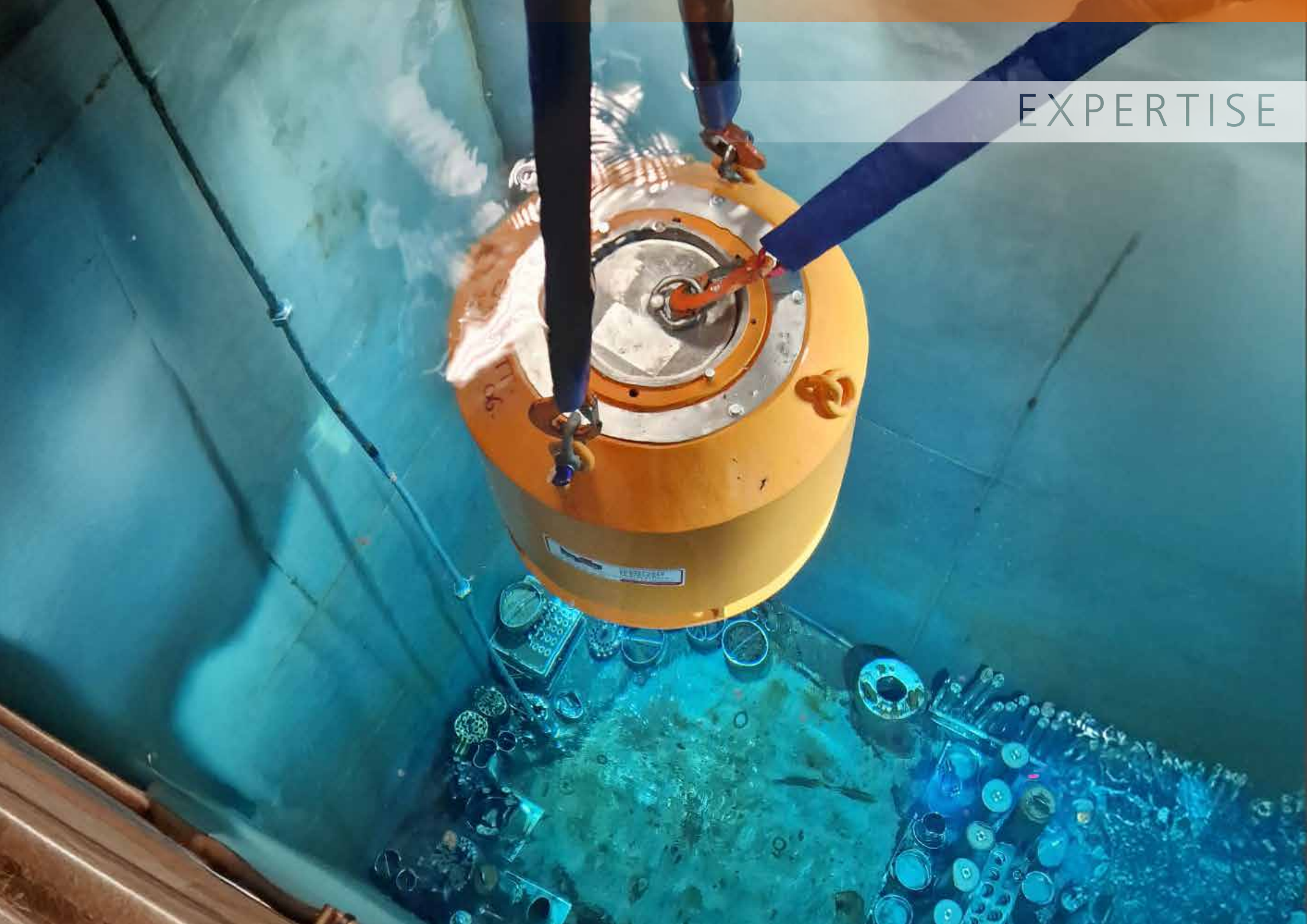
# - DISMANTLING



## MODUS OPERANDI



EXPERTISE

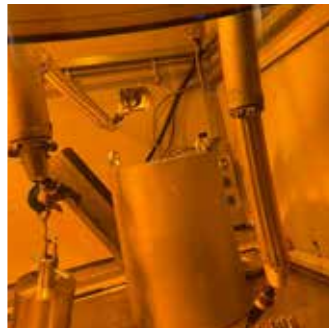
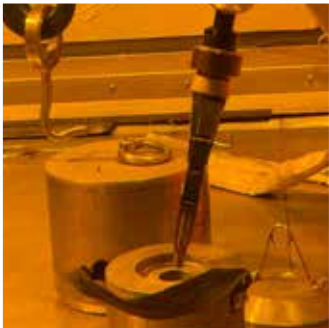


# - DISMANTLING



## EXTERNAL RESOURCES

- Provision of a pool for **unloading, reloading** and **storage**
- Provision of a **hot cell**
- **Reencapsulation** of sources





## CUSTOMER

## ECUADOR



## REPUBLIC OF CONGO



DSRS (Co-60)



DSRS (Co-60 and depleted uranium)

# REFERENCES

## TUNISIA



DSRS (Co-60 and depleted uranium)

## NEW CALEDONIA



DSRS (Co-60 + Cs-137)

## CAMBODGE



DSRS (Co-60)





# NCT, A GLOBAL EXPERT



## CONTACTS

### DRS Expert Technician

Mickaël PICHON-MARTIN

mickael.pichon@nctsa.fr

+33 (0)6 80 18 78 95

### International and Dismantling Coordinator

Élodie ROMANOTTO

elodie.romanotto@nctsa.fr

+33 (0)7 57 48 61 55

## RADIOACTIVE MATERIAL TRANSPORTATION

In France and abroad

## SELLING AND MAINTENANCE OF CONTAINERS

Multifunctional packing, fleet managing

## INDUSTRIAL LOGISTICS

Supply, storage, flow management, shipment, loading

## ENGINEERING AND DESIGN DEPARTMENT

Engineering, containers design, stowage, industrial machinery

58, rue des Acacias

38460 St Romain-de-Jalionas

+33 (0)4 74 90 90 29

@contact-dsrs@nctsa.fr

[www.transports-nct.com](http://www.transports-nct.com)

