

# The R83 Package:

## A new Type B(U) Fissile Package for Research Reactor Spent Fuels Transportation in the Netherlands



# 2019



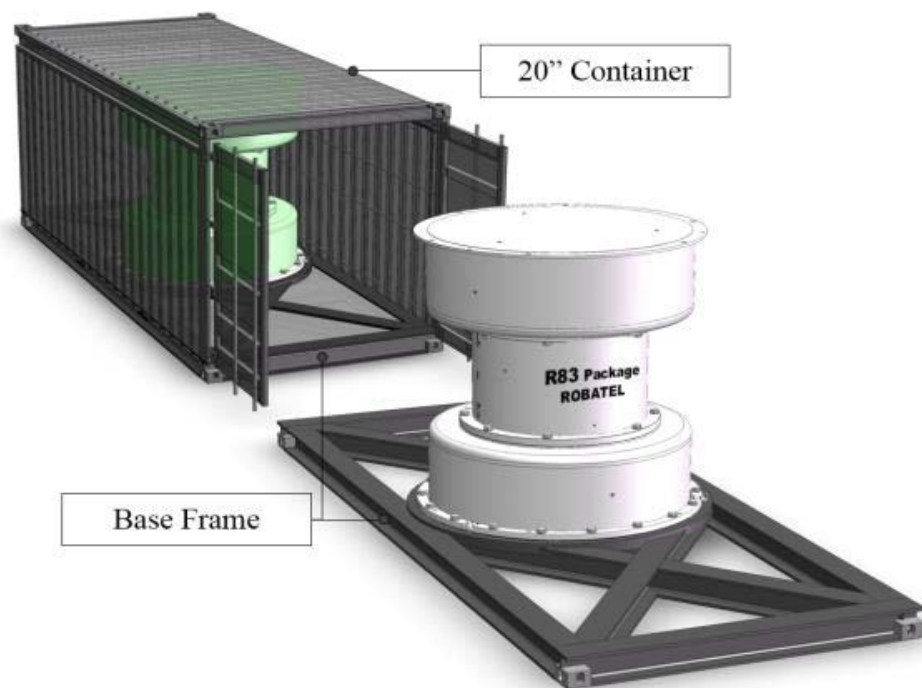
- Family owned company created in 1830 with three sites in France
- A sister company ROBATEL Technologies established in 2009 in Roanoke, VA.
- 60 years focused on the nuclear industry
- Principal specialty solutions :
  - Transportation Packages, mainly type B
  - Hot cells,
  - Glovebox systems,
  - Nuclear waste management system integration,
  - Gamma and neutron radiation shielding materials,
  - Services (engineering, maintenance, decommissioning).



# Overview

## ■ R83 main characteristics:

- Dimensions:
  - Height: 2 150 mm
  - Diameter: 2 050 mm
- Gross weight: **16 200 kg**
- Loading: **up to 37 fuel assemblies**
- **Dry** or **Wet** Loading / Unloading

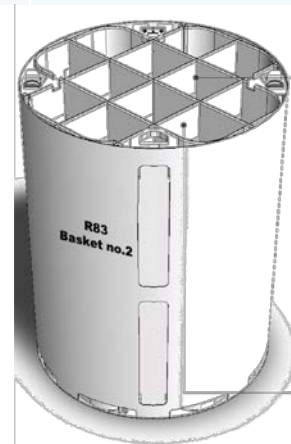
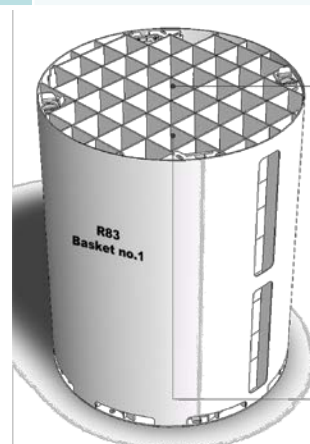


## Type B(U), Fissile



# R83 content overview

	Research Reactor Spent Spent Fuel	Filters with uranium residues
Fissile material	U235 – 20,75 kg	
Activity	10 PBq - 20900 A2	
Basket	no.1	no.2
Outer diameter	Ø 728 mm	Ø 728 mm
Cells number	37 cells	12 cells
Cells section	88 x 88 mm <sup>2</sup>	167 x 167 mm <sup>2</sup>
Cells height	910 mm	910 mm
Material	Boronated stainless steel	Stainless steel



**Let's meet in the Ballroom**

**THANK YOU FOR ATTENTION**

**Christopher DANE**