



The NTS

# Andromeda

A Type B(U)F  
Transport Package

Without transport there is no nuclear industry

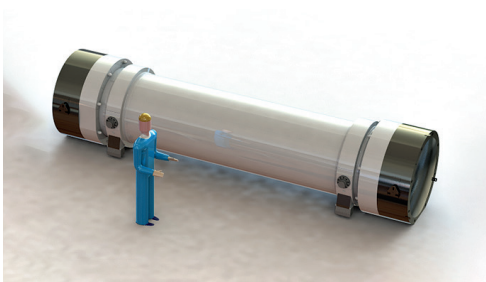
## NTS supports the global nuclear market by providing standalone or end-to-end solutions to nuclear transport and logistics challenges.

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The NTS Andromeda (2 off physical assets) is used to transport fresh fuel assemblies collected from fuel production plants, research and development facilities and various other commercial sites. It has been licensed as a **Type B(U)F** transport package for various contents, in full compliance with IAEA SSR-6 requirements. It is supplied with the lifting equipment, stillages and specialist tooling required for on-site operations.

In use for more than a decade, the Andromeda has moved fresh fuel to European reactor sites. Moving fresh fuel places additional functional constraints on the package design e.g. the need to attenuate specific vibration frequencies from the payload and to prevent thermal oxidation of the content. By design, the Andromeda ensures product quality is maintained during transport. The design has also been re-purposed for other content, which included the integration of a multiple water barrier system which was fully compliant with IAEA SSR-6, a UK first.



Please ask an NTS representative for further information on design limits and plant interface requirements.

Andromeda dimensions	Metres
Overall diameter, over main body	1.146
Shock absorber diameters	1.43
Trunnion centres	3.9
Width across trunnions	1.53
Cavity diameter (without fuel basket)	0.9
<b>Overall length:</b>	
Without shock absorbers	6.083
With shock absorbers	5.365
Usable cavity length (without furniture)	~ 4.95
Component	Weight (kg)
Andromeda body	6012
Andromeda lid	133
Andromeda fuel retainer	435
Andromeda shock absorber (lid end)	624
Andromeda shock absorber (base end)	560
<b>Tare weight</b>	<b>7764</b>
Contents max (inc. furniture)	~ 5936
<b>Maximum gross laden weight</b>	<b>13,700</b>