



**NTS**

Nuclear Transport  
Solutions



CONCEPT

The NTS

# Pegasus

A concept Type A(F) or  
Type B(U) 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.

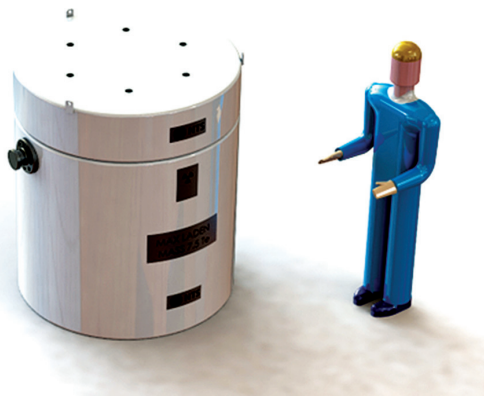
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Pegasus is currently a conceptual cylindrical package design being developed to support the front-end fuel cycle for the next generation (Generation IV) of nuclear reactors and their fuels. Design work and manufacturing assessments are being completed to support the design development and ensure the concept is mature enough to demonstrate a fully licensed design that is ready for deployment and commercialisation.

The design intent of the Pegasus is to:

- Provide flexibility with interchangeable internal furniture
- Maximise material payload
- Optimise facility interface with multiple handling options



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

| Pegasus dimensions                | Metres         |
|-----------------------------------|----------------|
| Overall diameter, over body       | ~ 1.2          |
| Shock absorber diameter           | ~ 1.4          |
| Width across trunnions            | ~ 1.6          |
| <b>Overall length:</b>            |                |
| Without shock absorber            | ~ 1.2          |
| With shock absorber               | ~ 1.6          |
| Cavity diameter                   | ~ 0.8          |
| Cavity length                     | ~ 1.0          |
| Component                         | Weight (kg)    |
| Pegasus body                      | ~ 3,800        |
| Pegasus lid                       | ~ 500          |
| Pegasus shock absorber            | ~ 550          |
| <b>Tare weight</b>                | <b>~ 5,100</b> |
| Max contents (including basket)   | ~ 2,100        |
| <b>Maximum gross laden weight</b> | <b>~ 7,500</b> |

Note – all dimensions/masses quoted are subject to change, as the design matures.