

GOODS LIFTS

FOR DATA CENTRES

Powerful solutions
for vertical transport

Maintaining the
necessary **infrastructure**



Image: rawpixel.com / Freepik

SERAPID
LIFT SYSTEMS

INTRODUCTION **DATA CENTRE**

Data Centres provide the necessary infrastructure for cloud services, web hosting, and data analysis whilst ensuring reliable and efficient data processing. Significant importance is placed upon redundancy of infrastructure so as to ensure systems are online and available at all times. Installing, maintaining, and upgrading Data Centre infrastructures requires transportation of heavy loads, including transformers and rotary UPS devices, between building levels.



High-capacity lifts

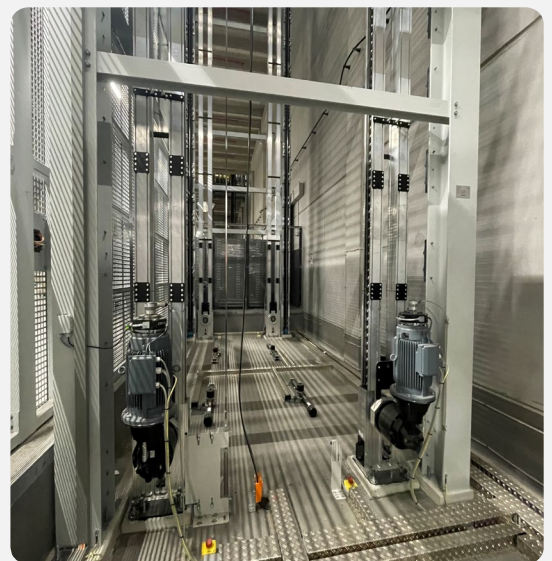
SERAPID specialises in offering bespoke, high-capacity Goods Lifts for heavy loads typically found in Data Centres. Using SERAPID's unique Rigid Chain Technology (RCT), vertical movement in excess of forty tonnes can be easily accomplished. Our lifts can be supplied in accordance with either Lift Directive 2014/33/EU or Machinery Directive 2006/42/EC.

SERAPID's solutions are unaffected by asymmetric or eccentric loads and efficiently transfer vertical loads directly to the Pit floor.

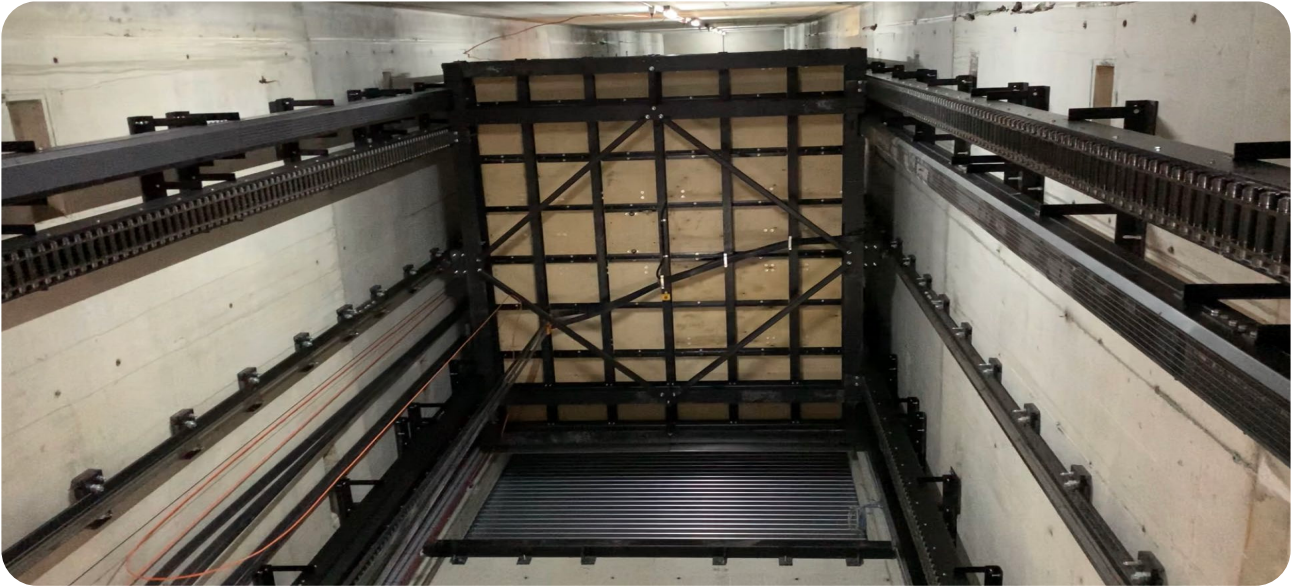
Redundancy & Reliability

SERAPID's Goods Lift systems are designed with a high degree of redundancy and provide unprecedented levels of reliability.

With a high load capacity, low energy and maintenance requirement, and compact installation and electrical room footprint, SERAPID Goods Lifts are ideally suited to meet the requirements of Data Centre operations.



FEATURES & BENEFITS



SERAPID Goods Lifts with RCT motorisation

- ▶ Highly efficient electro-mechanical systems which reduce operational risks whilst increasing safety and reliability
- ▶ Absent of hydraulic fluids which reduces risk of soil and groundwater contamination and unpleasant odours
- ▶ Compact in design and easily fit into shallow lift pits without need for bore holes
- ▶ Engineered so that all vertical loads are imposed directly onto the pit floor
- ▶ Free of the need for complex re-levelling and locking pawl systems
- ▶ Not affected by air temperature

Please contact SERAPID to discuss your specific lifting requirements.

Data Centre	Example 1 – U.K.	Example 2 - Australia
Capacity	6 200 kg	16 000 kg
Travel	9.9 m	38.5 m
Speed	0.15 m/s	0.20 m/s
Platform area	10.77 m ²	14.28 m ²
Shaft dimension	2 750 x 6 000 mm	4 300 x 5 200 mm
Pit depth	1 215 mm	1 600 mm
Head room	3 400 mm	4 800 mm



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