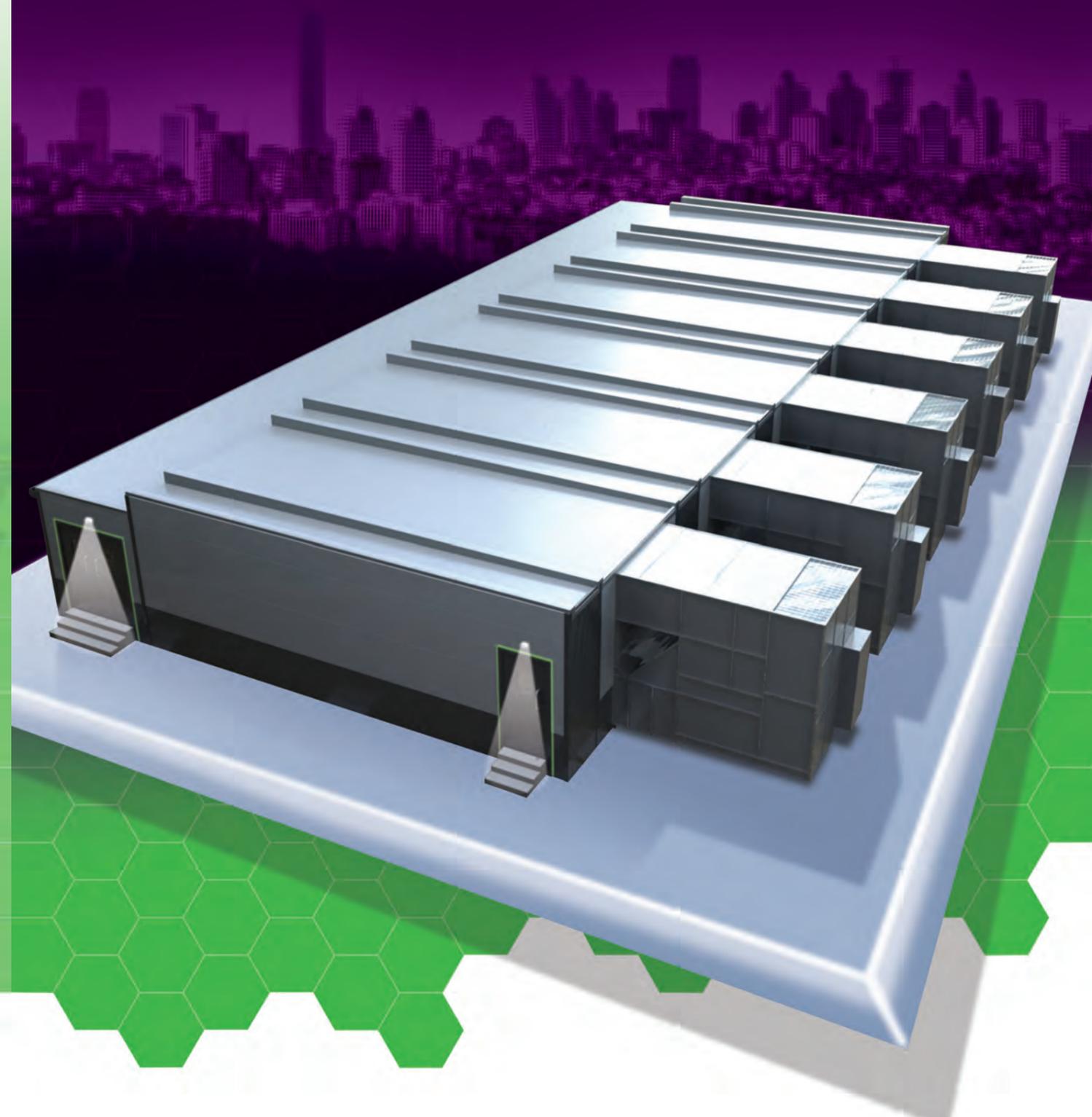
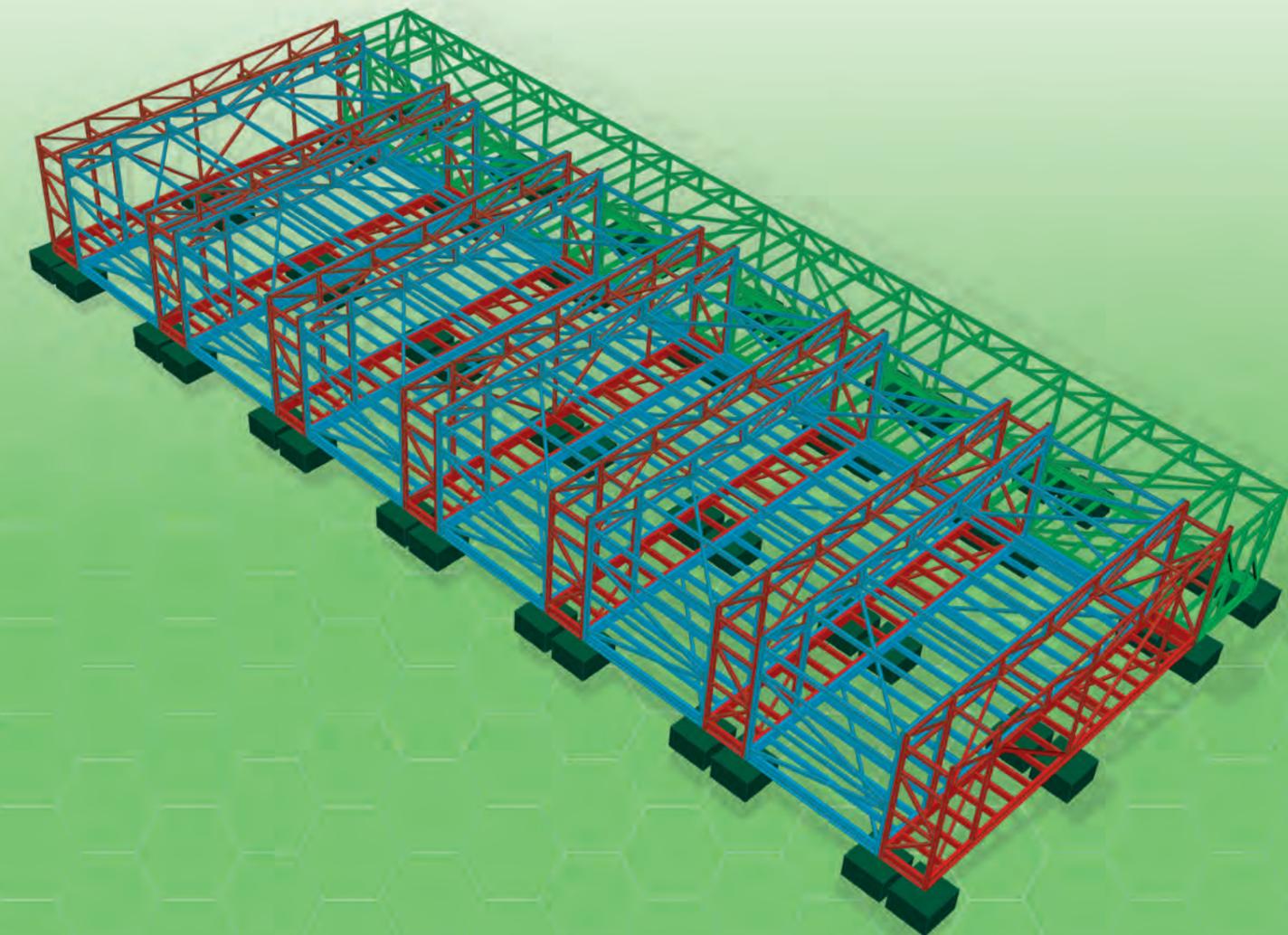


Modular Data Centres by



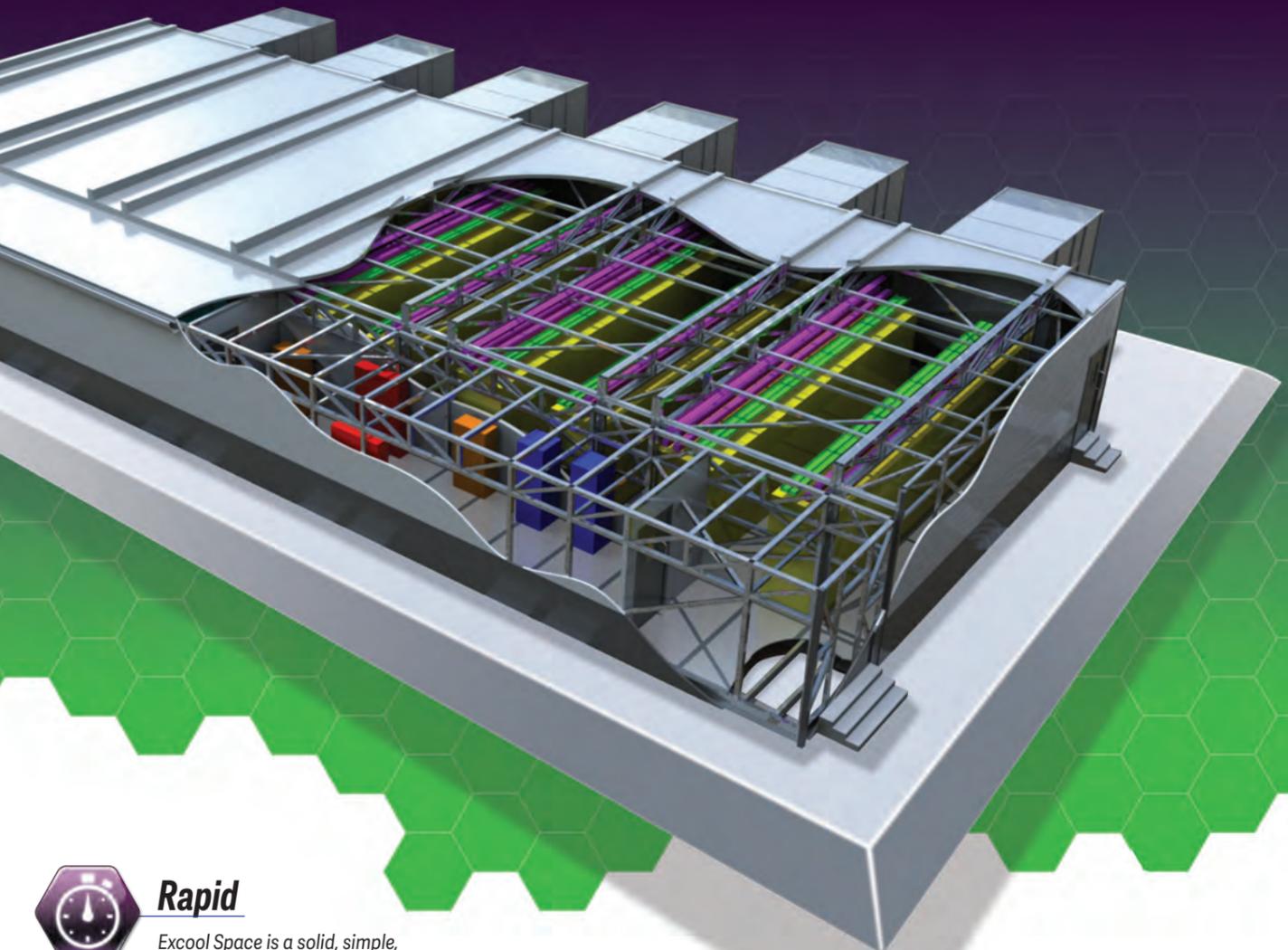
Modular Data Centres by



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Hyperscale efficient from day one

Rapid, scalable, energy-efficient modular data centre solutions



Excool space is the only pre-built, modular data centre system designed around Excool to provide the highest efficiency data centre solution combined with cost effective ability to scale, re-configure or re-locate.

The Excool indirect adiabatic and evaporative cooling system is the most effective, efficient and lowest energy process currently available to cool data centres. The Excool SPACE system allows you to develop an extremely agile, resilient and cost-effective data centre facility and is designed to provide real-life facility PUE of less than 1.15 even at low IT load utilization to give the lowest through-life energy costs possible.



Rapid

Excool Space is a solid, simple, repeatable, modular data centre design. This standardised approach reduces your planning, detail design and procurement time. The entire scheme is built in a factory environment while the site preparation is done and the foundations or pilings are constructed in parallel. This reduces the project time from up to 2 years to several months. The entire system is pre-assembled and tested under controlled conditions at the factory to ensure design compliance and build quality. Once the data centre construction and testing is completed the entire assembly can be packaged, delivered, offloaded and re-assembled in days - almost anywhere.



Flexible

Excool Space is an incredibly flexible platform. The standard modules and layout can be quickly modified to meet your own technical or site requirements. Customise the exterior and interior aesthetic, colour, finish and incorporate design standards relevant to you, e.g TIA 942, Resilience Tier levels 1-4, EN1047-2, DIN4102 etc. We will work with your choice of project partners and equipment vendors to ensure the final solution is exactly suitable for your business requirements.



Scaleable

Excool Space allows you to start small and pay only as your IT needs grow, without the need for unpredictable and long-term detailed IT infrastructure planning and excessive capital outlay. The modules can accommodate a wide variety of IT racks and free standing equipment types and allow for a wide and variable range of rack power density. Each IT module can accommodate up to 40 IT racks, in 2 rows, with contained hot-aisles. Excool Space can be built from an initial deployed cluster and the scheme can expand when in operation in small increments, without disruption.



Secure

Each module is manufactured with a steel frame and external envelope using premium materials and is designed to meet the needs of EN1047-2. Anti-intrusion ratings can be configured to include your choice of entry-doors, locks, CCTV, access control and Perimeter security. The structure and waterproofing system are fully guaranteed for 20 years for your peace of mind. VESDA and a gas or water mist fire suppression system are standard options and are designed to expand as the system grows.



Efficient

The modular design means you build only what you need on day one and pay as you grow to make efficient use of capital. It also allows you to add IT, power modules and cooling units in small increments aligned with your business requirements. As you would expect, Excool Space is optimized for high availability and low operating costs and is designed to make efficient use of space, reducing construction costs and physical space requirement. Excool's multi-award-winning indirect, adiabatic and evaporative cooling system is seamlessly designed into the entire space to provide the highest energy efficiency possible and in many cases remove the need for compressors altogether. A typical PUE of the facility of <1.15 is achievable even at low IT utilization levels. This gives the lowest through-life costs possible whilst ensuring the scheme is extremely resilient.



Predictable

The simple, repeatable design of Excool Space reduces the risk of project over-run by being easy to design, specify and purchase. Low PUE across the entire range of IT utilization levels, allows for close prediction of power use and cost-control through the entire lifecycle. When expanding the scheme, the cost and delivery time of additional IT, power and cooling modules can be defined up-front, so through-life cost and project analysis is simplified and time on-site is minimised. We can help with known cost models, reference designs, return-on-investment, energy calculations and detail design options.