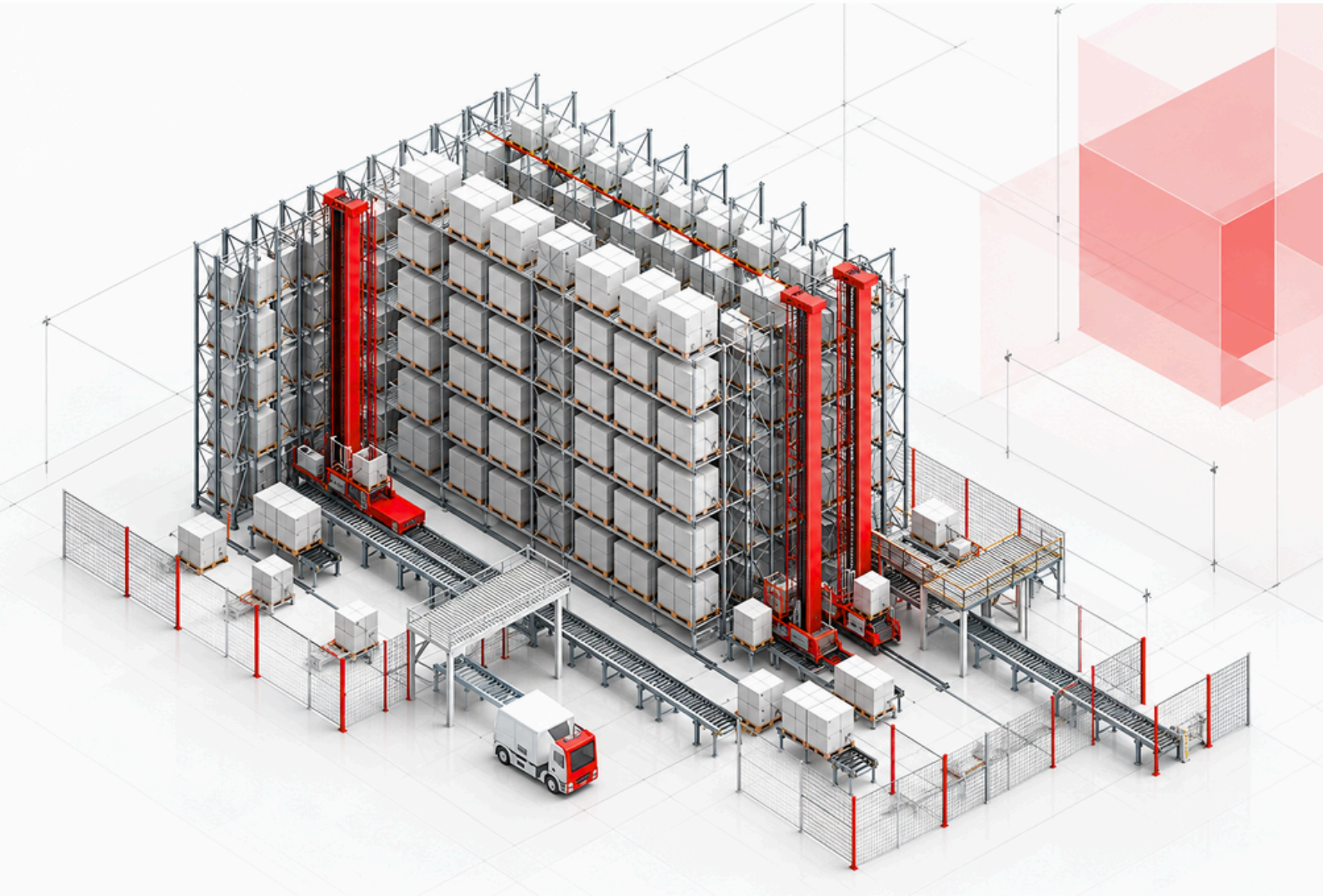
CoreLogis

CONSULT.
DESIGN.
DELIVER.
SUPPORT.

SOLUTION GUIDE | SG-01

High-Density Storage & Retrieval

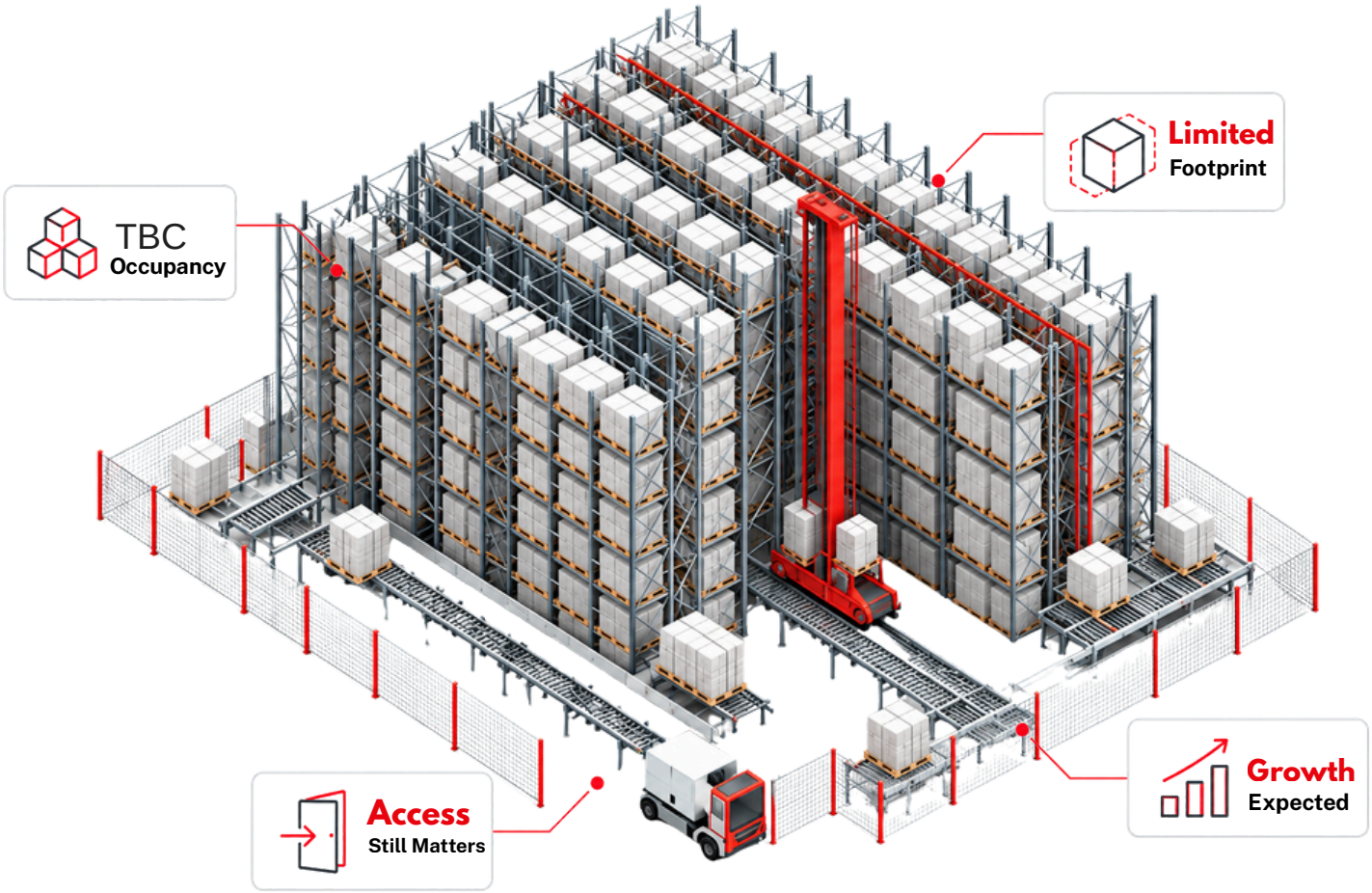
Designing more storage capacity into the same footprint while maintaining access and flow.



SINGAPORE • INDONESIA • MALAYSIA

Where High-Density Storage Fits

The objective is to increase capacity in the same footprint while preserving accessibility and operational flow.



TYPICAL OBJECTIVE

High-density storage works best when density, selectivity, and flow are balanced - not traded blindly.

How Should the System Be Designed?

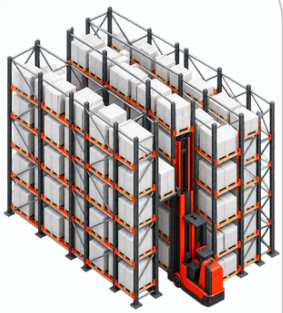
Different operations require different ways to create density.

Density
Maximize pallet positions within the same footprint.

Access
Preserve retrieval logic and selectivity where needed.

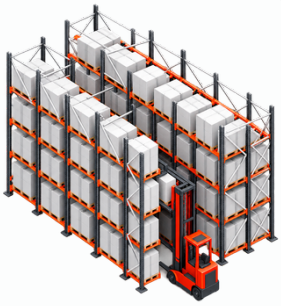
Flow
Support replenishment, picking, and throughput.

TYPICAL OBJECTIVE



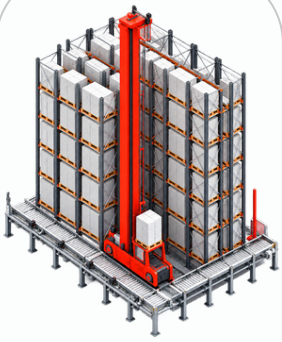
VNA

Narrow aisles for higher density with forklift access.



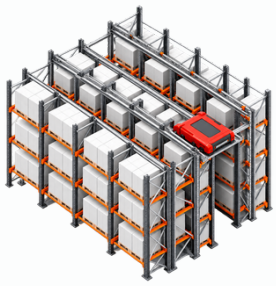
Double-Deep

More pallet density with selective compromise.



Stacker Crane AS/RS

Automated vertical density with controlled flow.



Shuttle

High-density storage with scalable automation.

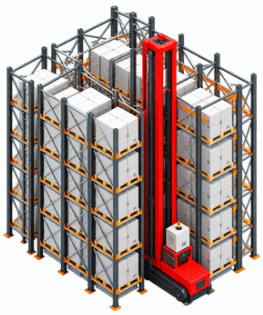
Lower complexity → **Higher automation**

Concept comparison only; configuration and site suitability require engineering review.

Which Path Fits the Operation?

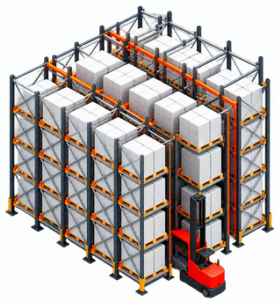
The right architecture balances density, access, throughput and future growth.

SKU Profile | Throughput | Building Height | Growth



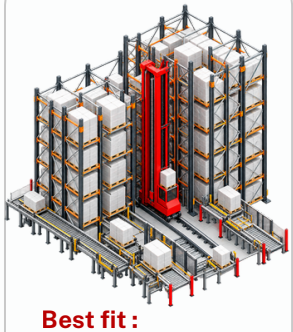
Best fit :
Selective access / medium density

DENSITY	●●●●●
ACCESS	●●●●●
THROUGHPUT	●●●●●
GROWTH	●●●●●



Best fit :
Higher density / simpler upgrade

DENSITY	●●●●●
ACCESS	●●●●●
THROUGHPUT	●●●●●
GROWTH	●●●●●



Best fit :
Vertical density / automated flow

DENSITY	●●●●●
ACCESS	●●●●●
THROUGHPUT	●●●●●
GROWTH	●●●●●



Best fit :
Scalable density / high-throughput potential

DENSITY	●●●●●
ACCESS	●●●●●
THROUGHPUT	●●●●●
GROWTH	●●●●●

> **The right architecture is the one that fits the operation.**



Concept comparison only; configuration and site suitability require engineering review.