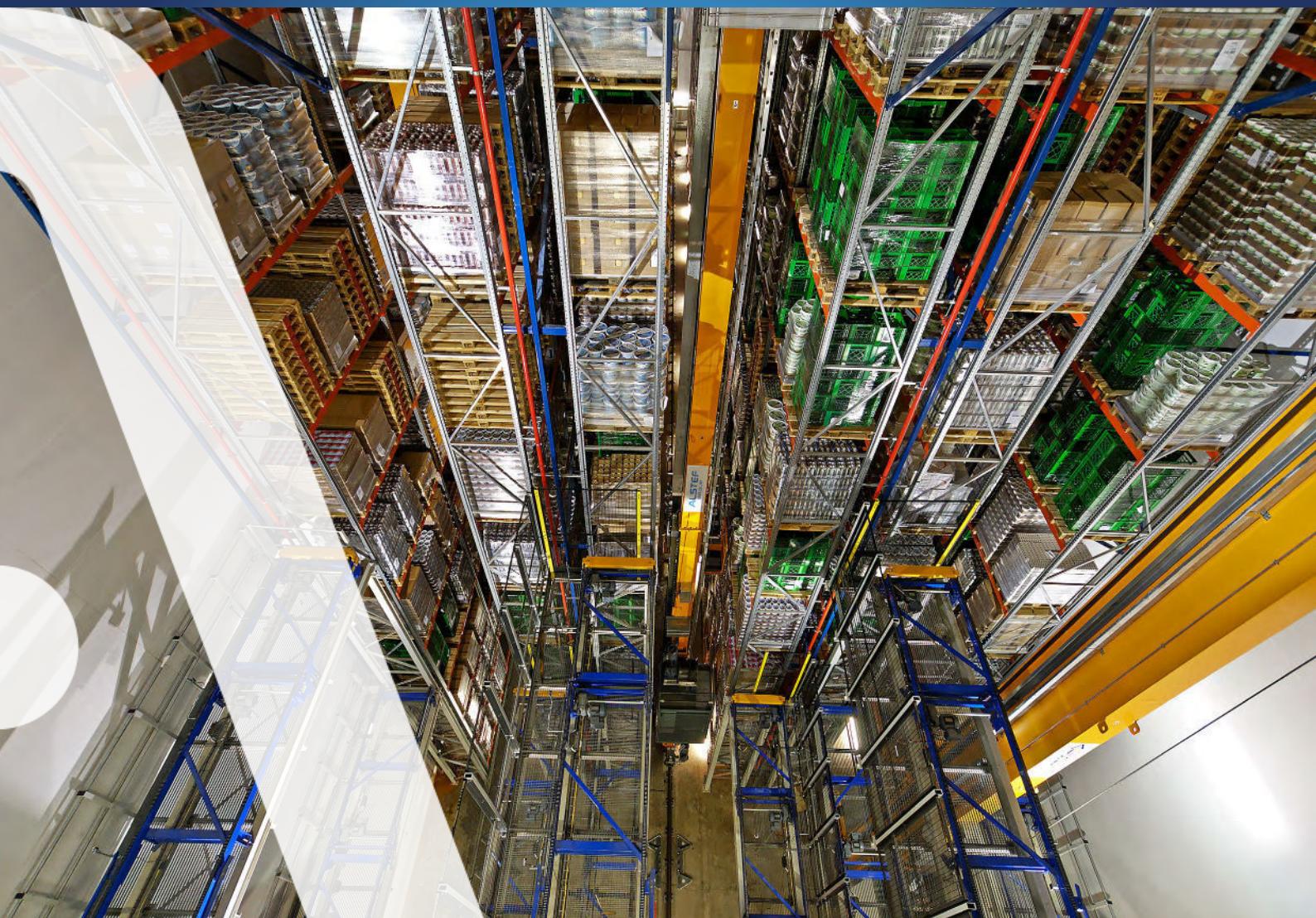


# AUTOMATED STORAGE



**ALSTEF**  
GROUP



# AUTOMATED PALLET STORAGE

For 60 years, Alstef Group has been designing, integrating and maintaining turnkey installations of custom-made automated warehouses.

## STACKER CRANES

Since implementing the first storage system with stacker cranes in France, Alstef Group has commissioned more than 1000 stacker cranes in many industry sectors.

Our stacker cranes storage solutions are available for:

- **Mass storage**, before or after a plant's production, or at the heart of a distribution platform,
- **Buffer storage**, connected to a picking area or prior to a shipping area.

These systems ensure high flows associated with a high storage density.



## STORAGE AGV

The flexibility of storage AGVs allows them to fit into existing buildings.

They can provide:

- **mass storage** in traditional shelving, drive-in, or on the ground,
- **buffer storage** at the heart of your process,
- **buffer storage** prior to shipping preparations.

The **GT16**, tri-directional AGV operating in very narrow aisles (VNA) and the **GLR**, AGV with retractable forks, are compatible with other AGVs, conveyor systems or shuttle loops to offer an optimal, complete solution.



## SHUTTLES

Our compact storage shuttles are available for fast movements of standardized batches.

Optimal performance is achieved through several key advantages:

- the satellite onboard each shuttle manages multi-depth corresponding to the batch size requirement,
- the number of levels multiplies the capacity.



## PROXYSHUTTLES

Developed by Alstef Group, Proxyshuttle offers a compact and reactive solution.

It can fulfill many roles:

- buffer upstream or downstream of production lines,
- **buffer storage and sequencing** loads prior to robotic order picking or preparation of shipments on docks.

