

Terminal Automation

- Yard systems
- Security concepts
- Operational procedures

Current developments in technology offer attractive opportunities to harmonise and enhance operational procedures on container terminals, especially for high-wage countries. With its forward-looking technology, Hamburg's Container Terminal Altenwerder (CTA) is setting standards. HPC was involved in the planning of this terminal as well as in a number of automation projects for other terminals. With this background, HPC does not only provide the technical know-how in this area but also the operational expertise. HPC is also participating in the current conversion of Hamburg's Container Terminal Burchardkai and is thus familiar with the latest developments in automation technology.

Specific advantages of automation are: high system flexibility, productivity and reliability.

Planning in the framework of terminal automation

- Auto-gate facilities
- Horizontal transport (AGVs, automatic VCs)
- Monitoring of job modifications
- OCR container gantry crane
- OCR railways
- Operational procedures
- Security concepts
- Yard systems (RMGs, ASCs, automatic RTGs and VCs)