

SELF-DEPLOYING CONTAINER SYSTEM — NO CRANE REQUIRED

SARP



A comprehensive solution that increases container operational autonomy while improving the safety and efficiency of logistics operations.
An integrated hydraulic system designed for permanent installation in the structure of standard 20-foot containers.

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challenge turns into success

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KEY BENEFITS

Autonomy: full operational independence in all terrain conditions. The system eliminates the need for external lifting equipment, enabling autonomous container unloading and levelling directly on the ground

Mobility: enables independent container positioning at any road-accessible location. When folded, all support sockets remain within the container footprint, ensuring full compatibility with road transport and no increase in external dimensions

Integration: an integrated extension of the 20-foot container providing self-deploying capability while preserving full container functionality. Installed between standard ISO 1161 corner fittings without affecting their original function

Compact installation: four hydraulic lifting sockets and four independent power units are integrated into the container corners. During transport, all cylinders remain fully retracted within the container frame

Precise levelling: an integrated inclinometer ensures accurate and stable container positioning on uneven terrain

Control system: ergonomic wired control panel with display and a central control cabinet integrated with the inclinometer for internal container installation

Operating modes: automatic and service modes

Safety: remote operation from a safe distance with real-time parameter monitoring. Dual protection against unintended lowering and a cylinder locking system preventing accidental extension during transport

Functionality: Reliable operation across a wide temperature range and in demanding outdoor environments

parameter	value
maximum lifting capacity	12,000 kg
load per socket (corner)	3,000 kg
cylinder stroke	1,800 mm
permissible ground inclination	2.0°
levelling accuracy	0.1°
installed power	4 x 350W
supply / control voltage	24 VDC
maximum operating pressure	12 MPa
ambient temperature range	-30°C to +50°C
working fluid	HLP32 hydraulic oil