

THE DOCK

VERTICAL VEHICLE & GOODS
TRANSFER SYSTEM

NELCA
SYSTEMS

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REDEFINING SPACE WHERE IT MATTERS.

WHAT IS THE DOCK?

Nelca Systems – The Dock is a **vertical vehicle and goods transfer system** designed to move assets efficiently between levels in commercial, industrial, and automotive environments.

Custom-built to suit the unique requirements of each project, **The Dock** redefines how **vehicles and goods are transferred within a building**. Engineered around a high-performance vertical platform system, each installation is tailored to your exact specifications ensuring seamless integration into your operational layout.

The Dock uses a **heavy-duty lifting platform** that moves vehicles and goods between levels with precision and control. The system is designed to function as a dedicated transfer point, enabling efficient loading, unloading, and circulation between floors while maintaining a clean and fully integrated architectural footprint.



SPECIFICATIONS.

Every **Dock** system is **custom-made** to your exact specifications. With **The Dock** vertical transfer system, **you define every key element** from platform dimensions, **vertical travel** between levels, to the **weight capacity up to 11,000 lbs**, including your **choice of colour** and integration details.

Each unit is powered by a **CSA-certified hydraulic system** with a single or dual pump configuration, selected based on your required load capacity. At its core is an **advanced control panel**, the brain of the system, designed to ensure precise, safe, and fully controlled vertical movement.

For enhanced functionality and project integration, the system can be upgraded with a range of **optional safety features** like door interlocks, **safety keypad** access, **key switch** controls or **safety fences**, ensuring **The Dock** integrates smoothly into both commercial and industrial environments.

TECHNICAL SPECIFICATIONS

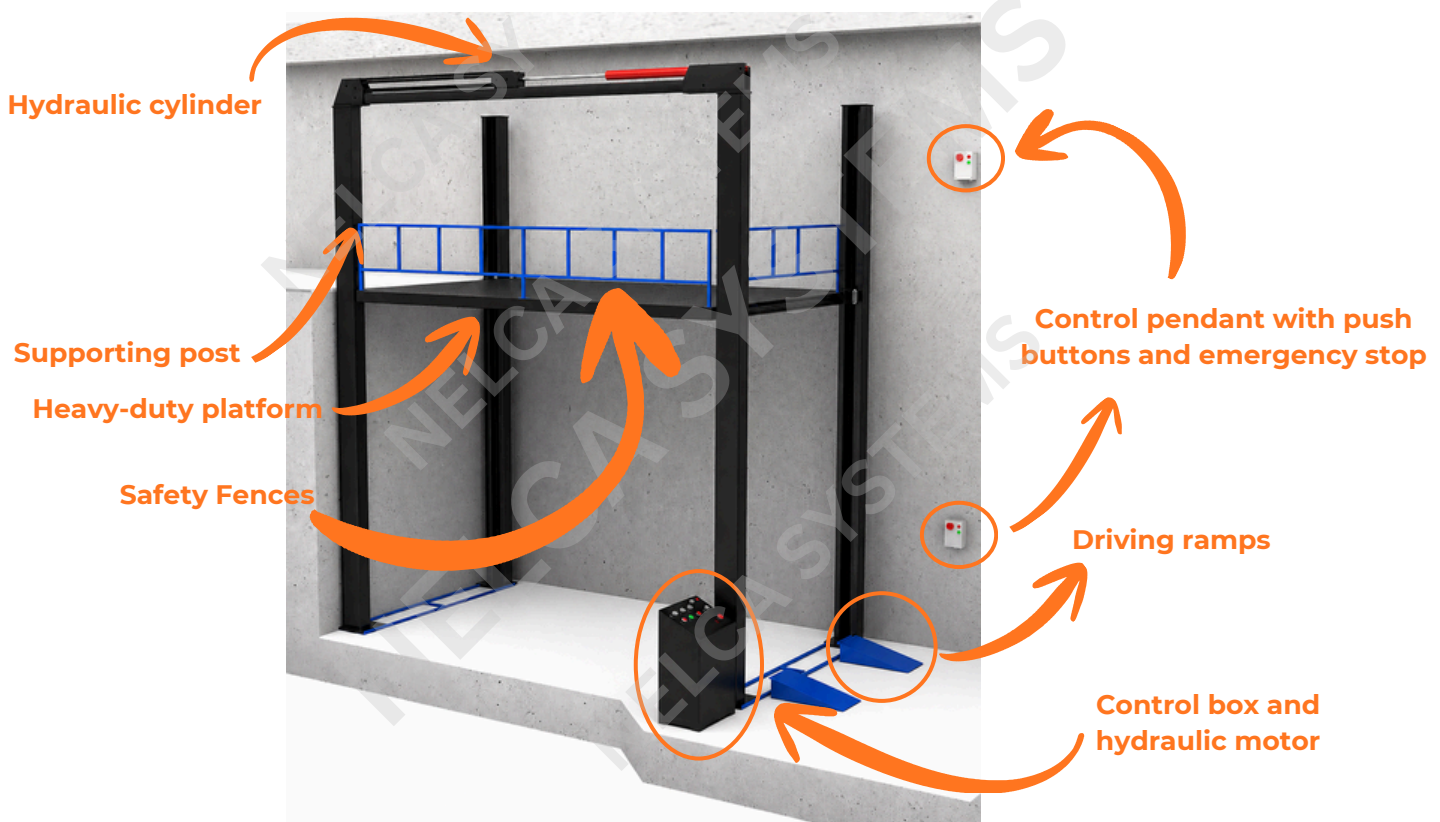
PLATFORM DIMENSIONS	CUSTOM-MADE
LIFTING CAPACITY	FROM 3 TONS / 6,600 LBS TO 5 TONS / 11,000 LBS
TRAVEL DISTANCE	CUSTOM-MADE
TRAVEL SPEED	4 METERS / MIN
STRUCTURE FINISH	POWDER COATED
PLATFORM MATERIAL	DIAMOND STEEL SHEET OR ALUMINIUM STEEL SHEET
POWER	220V - 60 AMPS - SINGLE PHASE
POWER PACK	HYDRAULIC CYLINDER
COLOR	STANDARD BLACK RAL 9005 - CUSTOMIZATION AVAILABLE
CERTIFICATIONS	CSA AND CWB

LET'S TAKE A CLOSER LOOK.

A **reinforced concrete foundation** is required to support **The Dock** system. The slab must meet specified load and anchoring requirements to **ensure proper weight distribution and long-term structural stability**. The unit is securely anchored directly to the foundation for safe and reliable operation.

Contact Nelca Systems today for your free quote and custom drawings.

Let's breakdown the components:



STANDARD FEATURES

- Custom-made structure
- CSA Power Rack
- CSA control box
- 2 Control pendants - UP/DOWN Push
- Buttons and Emergency Stop
- Custom-colour

OPTIONAL FEATURES

- Weight capacity Upgrade
- Key Switch
- Door locks (Man doors and Garage doors)
- Keypad or Fob System
- Visual and Audible Safety Strobe

What are the requirements for a The Dock system?

Requirements may vary depending on the application, configuration, and type of construction. In most cases, you should plan for a reinforced concrete slab and some electrical work to supply power to the unit.

What type of power is required for The Dock?

The Vault typically requires **220V single-phase power** and between **30 and 60 amps**, depending on the configuration of the unit. While this is the standard requirement, we can adjust the lift's electrical setup to match your available power supply, including amperage and circuit breaker specifications.

Can the Dock platform be customized to fit my space?

Yes. All Dock systems are fully custom-made to your specifications. The platform dimensions, travel distance, finish colour, and platform material (diamond steel sheet or aluminum) are all tailored to your specific project. The standard finish is Black RAL 9005 with customization available.

Is the Dock visible when not in use?

Yes. The Dock system is a stationary structure, in the case of an underground installation, the posts and upper part of the system is always visible.

What maintenance does the Dock require?

Like any mechanical system, the Dock benefits from periodic maintenance to ensure long-term reliability. This typically includes hydraulic fluid checks, inspection of the whole mechanism and safety components, and lubrication of moving parts. We recommend establishing a maintenance schedule with your installer. Specific intervals depend on usage frequency and environmental conditions.

What is the lifting capacity of the Dock?

The standard capacity is 3,000 kg (approximately 6,600 lbs) on the platform. Upgrades are available for heavier vehicles or special requirements. The system is engineered to support the weight of the lift mechanism, the platform, and the vehicle with a safety margin built in.

PHOTO GALLERY

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