

 **TECNIPLAST**

Automated  
Guided Vehicle



 **TECNIPLAST**



**AUTOMATION**



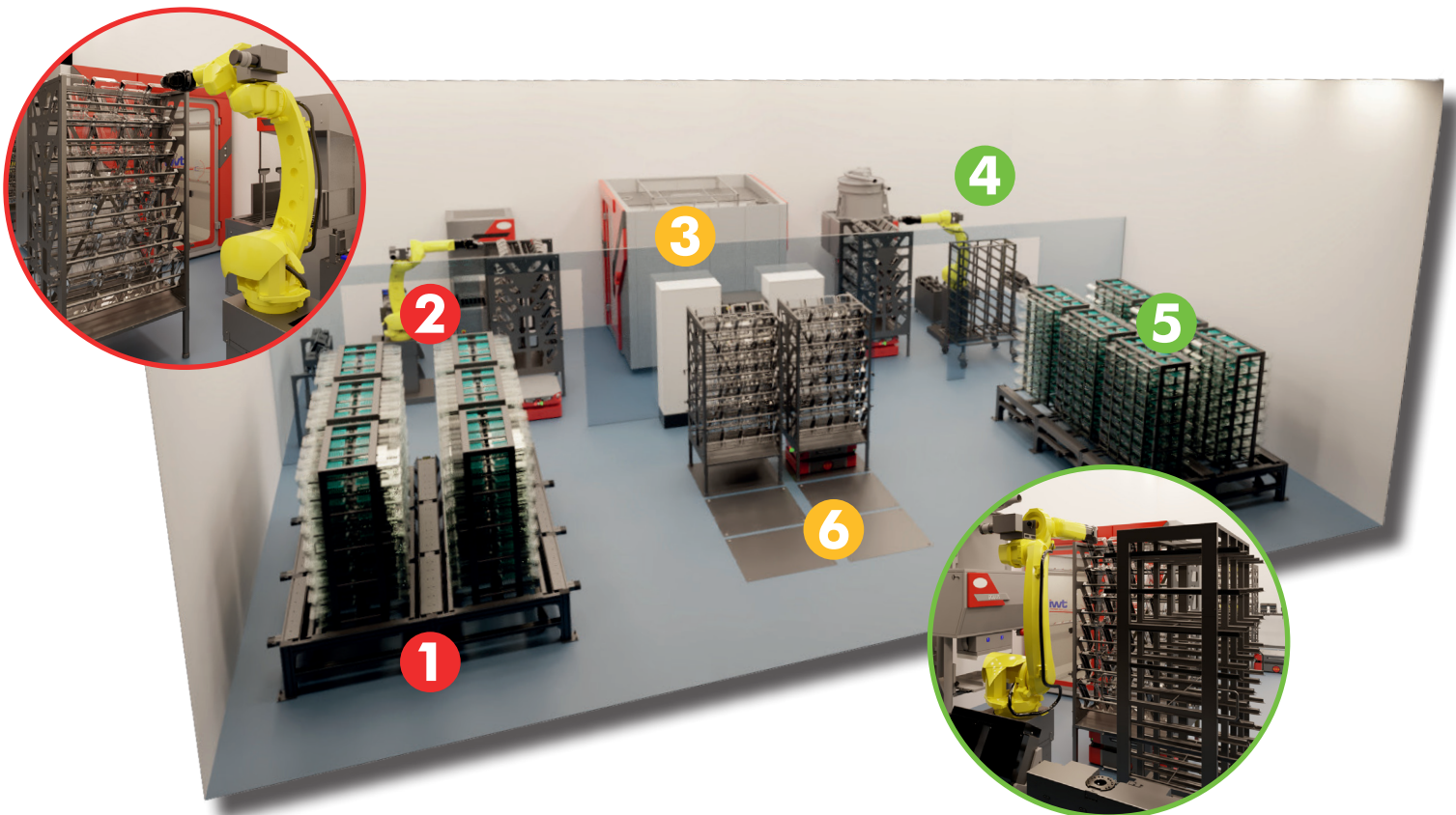
# VOYAGER AGV

Elevating Automation in the Cage Wash Area

The **VOYAGER AGV** (Automated Guided Vehicle) system marks a significant advancement in Techniplast's portfolio of automation solutions, **designed to enhance both the quality of the working environment and operational efficiency** in vivarium cage wash areas.

Capable of autonomously managing logistics carts, Voyager interfaces directly with robotic cells and rack washers featuring automatic doors, enabling a **fully optimized and continuous workflow**.

Voyager integrates with Techniplast's full range of robotic systems, ensuring **synchronized operation across AGVs, washing equipment, both rack or tunnel washers, and historical robotic technologies** either for integral cage setups or cage bases only.



Dirty Side

- 1 Trolleys Loading Bay
- 2 Robotic Cell

- 3 Washing system  
(e.g. RW-Alpha with automatic doors)
- 6 Presentation Racks Warehouse

Clean Side

- 4 Robotic Cell
- 5 Trolleys Unloading Bay





## Improved Workflow & Scalability

- ▶ **Precision Automation:** VOYAGER accurately handles logistics, ensuring consistent, repeatable processes that significantly boost operational reliability.
- ▶ **Scalable Efficiency:** Multiple VOYAGER units can easily adapt to increased workloads —such as those required by large centralized washing areas—without the need for proportional staffing increases.
- ▶ **Optimized Robotic Integration:** By reallocating load/unload buffers, VOYAGER minimizes the robotic cells requirements, enhancing overall space efficiency.
- ▶ **Adaptable Storage Solutions:** Storage areas for dirty and clean materials can be tailored to fit available space and operational requirements, ensuring system autonomy even during non-standard shifts.
- ▶ **Flexible Programming:** VOYAGER is designed to adapt to evolving vivarium layouts and processes, providing future-proof flexibility.

## Enhanced Working Environment

- ▶ **Streamlined Operations:** VOYAGER automates repetitive, low-value tasks, freeing up staff to focus on higher-level, specialized operations.
- ▶ **Improved Safety:** The system minimizes human exposure to hazardous environments and reduces the physical strain of heavy handling.
- ▶ **Professional Development:** The introduction of advanced technology like VOYAGER offers opportunities for skill development and new career paths for your team.

AGV systems and Integral Cage Automations help to **save up to 70% ACH** in specific areas of the facility workflow



**A NEW STANDARD FOR AUTOMATION IN VIVARIUM OPERATIONS.**

**VOYAGER IS YOUR SOLUTION FOR CREATING A MORE  
EFFICIENT, SAFE, AND ADAPTABLE WORKING ENVIRONMENT.**



**SCAN ME**



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QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =**

**COMPANY WITH  
ENVIRONMENTAL SYSTEM  
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** TECNIPLAST**

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