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LIGHTENING LOADS

WORKING IN
PARTNERSHIP WITH

wohō



how WoHo transformed
their modular construction
logistics

**"The Hydraulic Container Loading System
provided a seamless way to load and
unload our prefabricated components
into containers "**

Borja Soriano
Project Manager



introduction

In today's fast-paced logistics environment, efficiency and safety are critical to success. Joloda Hydraroll assisted WoHo, a modular construction innovator and manufacturer, to address the challenges of container loading and unloading for their prefabricated construction components.

By implementing the Hydraulic Container Loading System, WoHo revolutionised their loading processes, enabling seamless and efficient operations for their global projects. This case study explores the collaboration, highlighting how Joloda Hydraroll's innovative solution addressed WoHo's unique logistical needs, while offering flexibility for unloading operations at destination sites.



the client

WoHo, short for World Home, is at the forefront of transforming the construction industry through modular design and manufacturing. Their mission is to provide ecological, affordable living and working spaces by prefabricating components in factories and shipping them globally in standard 40-foot containers.

WoHo's approach reduces environmental impact while maintaining high construction standards. By using a modular method, they aim to address global challenges such as housing shortages, sustainability, and affordability, setting a new benchmark in the construction sector.

the challenge

WoHo faced a critical logistical challenge during their Barbados project, where they were constructing a fully prefabricated research laboratory. The components, manufactured in Madrid, had to be safely transported across the Atlantic in standard 40-foot containers and efficiently unloaded on-site.

Traditional container-loading methods, such as forklifts, were unsuitable for handling the large, pre-assembled components. The irregular size and heavy weight of the loads required precise handling to avoid damage and ensure worker safety. Additionally, forklifts presented risks such as tipping, uneven load distribution, and inefficiency at both the loading and unloading sites.

Time constraints compounded the issue. The project's tight schedule required a solution that could load

and unload components swiftly while maintaining the integrity of the structures.

Furthermore, the system needed to be portable, adaptable, and operable at both WoHo's Madrid facility and the Barbados assembly site.

These factors underscored the need for a modular, purpose-built solution capable of meeting WoHo's ambitious project requirements.



the solution

Our Hydraulic Container Loading System offered the ideal solution to WoHo's logistical challenges.

We also provided a comprehensive solution package, including a custom-designed platform, pallets, cargo securing tools, and on-site training.

Our experts worked closely with WoHo's operational staff to ensure they were equipped to handle their own cargo and site-specific challenges. This like-for-like training approach ensured seamless implementation and prepared WoHo for additional container transports in the future.



"...It reduced handling time, ensured the safety of our team, and supported our mission to innovate construction processes worldwide."

Borja Soriano
Project Manager

system features



1. Hydraulic Skates with Track System

A modular setup capable of loading up to 27 tonnes in a single operation, with the same capability for unloading.

2. Portable Tracks

Easily connected and disconnected from inside the container, enabling quick setup and removal.



3. Manual Operation

Eliminates the need for powered equipment, enhancing portability and versatility.



4. One-Shot Loading

Facilitates the loading of a container in under a minute. Full preparation, including securing the rear doors, takes up to 15 minutes.



5. Pallet Compatibility

Supports a variety of pallet designs based on the container or cargo length, ensuring load stability.

the benefits of implementation

The adoption of Joloda Hydraroll's Hydraulic Skate and Track Loading System delivered measurable results for WoHo's operations, addressing safety, efficiency, and cost-effectiveness while enabling scalable solutions.



1. Efficiency

The one-shot loading and unloading capability streamlined operations.

Each container could be fully loaded in under a minute, with preparation and securing completed within 15 minutes. This efficiency allowed WoHo to meet tight project deadlines and maintain a consistent workflow.



2. Cost Effectiveness

The system required no modifications to standard ISO containers, saving on expensive customisations. Its modular and portable design allowed reuse across multiple projects and locations, offering long-term value and resource optimisation.



3. Safety

By eliminating forklifts, WoHo significantly reduced risks associated with manual lifting, uneven load distribution, and heavy equipment operation. The system's controlled manual operation ensured safer handling of prefabricated components, protecting workers and the structural integrity of the loads.



4. Scalability

The system's adaptability to various loading and unloading sites made it a versatile choice for WoHo's global operations. Its modular nature ensures WoHo can apply the same level of safety and efficiency to future projects, reinforcing their commitment to innovative construction logistics.

the feedback



Borja Soriano
Project Manager

Borja Soriano, WoHo Project Manager, shared his satisfaction with the solution:

"The Hydraulic Container Loading System provided a seamless way to load and unload our prefabricated components into containers. It reduced handling time, ensured the safety of our team, and supported our mission to innovate construction processes worldwide."



Mark Drummen
Sales Manager

Mark Drummen, EU Sales Manager at Joloda Hydraroll, also expressed pride in the project:

"It's incredibly rewarding to see the positive impact our Hydraulic Container Loading System has had on WoHo's operations. Helping WoHo overcome their logistical challenges and ensuring the safe, efficient loading and unloading of their prefabricated components for the Barbados project has been a true testament to the value of our solutions."

"Seeing this system in action in such a forward-thinking and innovative project is a proud moment for Joloda Hydraroll. It's a great example of how our modular systems can support ambitious global initiatives, and we look forward to continuing to help companies like WoHo transform their operations."

conclusion

The collaboration between Joloda Hydraroll and WoHo highlights the power of innovative loading solutions to overcome complex logistical challenges. By implementing the Hydraulic Container Loading System, WoHo streamlined their container-loading processes, improved safety, and reinforced their commitment to sustainability and efficiency.

For logistics and warehouse managers seeking a proven, reliable, and scalable solution to optimise container loading and unloading, Joloda Hydraroll's Hydraulic Container Loading System offers a transformative approach.



if you have any questions, please get in touch!



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