



Company Overview

 **PACECO<sup>®</sup> CORP.**  
CONTAINER HANDLING EQUIPMENT AND SYSTEMS

## DECADES OF INNOVATION

PACECO® is a pioneer in the container handling equipment industry since 1958. Today, we continue to be leaders in container handling equipment and in addition, new technology for Port Systems.

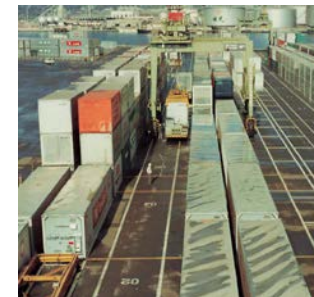
PACECO® is recognized as a world leader in the design and manufacture of cargo container handling cranes for seaports. Our primary products, PORTAINER and TRANSTAINER cranes, are among the most reliable and productive container handling cranes on the market.

Working closely with ports and terminal operators, PACECO® along with our internationally known licensees, continually develop new designs and advanced technologies to meet terminal operator's constant drive for operational productivity and efficiency improvements. PACECO® also performs engineering and crane modification services by leveraging our extensive experience in crane design and manufacturing.



1958

World's First High-Speed Container Handling Crane by PACECO



1967

First TRANSTAINER (RTG) delivered to Kobe, Japan



1989

First Double Trolley PORTAINER Crane delivered



1997

First PORTAINER with Twin 20ft Spreader Delivered



2001

First Mono-Box PORTAINER Delivered



2007

MES Hybrid TRANSTAINER® RTG Crane delivered



2010

1,000th TRANSTAINER® RTG Crane delivered



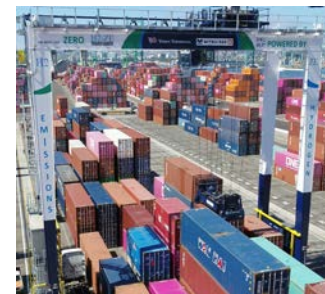
2013

24 row Mono-Box PORTAINER® STS Crane delivered



2022

Near Zero Emissions TRANSTAINER® RTG Cranes delivered



2024

First Zero-Emissions TRANSTAINER® RTG Cranes delivered

The Container Handling Equipment Market is demanding that cranes accommodate the increasing size and volume of container vessels.



65LT Monobox PORTAINER® STS Crane

Outreach	67m
Lift Height	47m
Hoist Speed	90/180m/min
Trolley Speed	180m/min
Gantry Speed	45m/min



65LT Monobox PORTAINER® STS Crane

Outreach	70m
Lift Height	53.3m
Hoist Speed	90/180m/min
Trolley Speed	240m/min
Gantry Speed	45m/min



65LT Low Profile PORTAINER® STS Crane

Outreach	67m
Lift Height	47m
Hoist Speed	90/180m/min
Trolley Speed	240m/min
Gantry Speed	46m/min



65LT Monobox PORTAINER® STS Crane

Outreach	60m
Lift Height	48m
Hoist Speed	76/250m/min
Trolley Speed	240m/min
Gantry Speed	45m/min



The PACECO®-MITSUI brand of ship-to-shore cranes incorporate over 50 years of innovation, design, manufacture and delivery excellence.



**Self Propelled Trolley**

Do not need to replace and lubricate trolley travel wire rope and sheaves. Less maintenance cost due to no trolley travel wire ropes. Enhanced operating response.



**Mono-Box Boom**

Stronger & Lighter design achieves structural rigidity with less weight. A smaller profile reduced wind load and wheel loads. A wider walkway provides easier maintenance access.



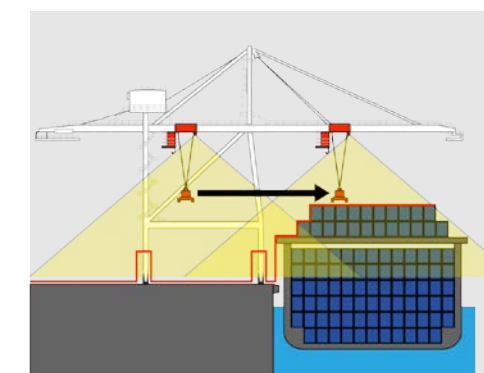
**Unit Gantry Drive**

All-in-one drive unit plus reducer reduces open gears, improving maintenance efficiency.



**Centralized location of devices**

Devices located at trolley girder platform for ease of maintenance.



**Operator Assist System**

The detection of objects by 2D laser sensors increases safety and improves cargo handling efficiency.



**Crane Management System**

Multiple crane management on one platform.  
Real-time crane system monitoring  
Failure alerts  
Remote troubleshooting

PACECO®-MITSUI TRANSTAINER® cranes are among the most productive and reliable yard cranes available on the market. They improve port productivity and have low maintenance requirements for higher crane availability.



Hybrid TRANSTAINER® RTG

Rated load	40 tons
Hoist Speed (empty)	46m/min
Hoist Speed (loaded)	23m/min
Trolley Speed	70m/min
Gantry Speed	145m/min



Near Zero Emissions TRANSTAINER® RTG

Rated load	40 tons
Hoist Speed (empty)	52m/min
Hoist Speed (loaded)	23m/min
Trolley Speed	70m/min
Gantry Speed	90m/min



H2-ZE TRANSTAINER® RTG

Rated load	40.6 tons
Hoist Speed (empty)	60m/min
Hoist Speed (loaded)	30m/min
Trolley Speed	120m/min
Gantry Speed	150m/min



On Board Cable Reel TRANSTAINER® RTG

Rated load	40.6 tons
Hoist Speed (empty)	52m/min
Hoist Speed (loaded)	23m/min
Trolley Speed	120m/min
Gantry Speed	90m/min



The PACECO®-MITSUI TRANSTAINER® Rubber Tyred Gantry Crane incorporates designs and developed technologies that enhance efficiency, productivity and safety.



**Chainless Gantry Drive**

High accuracy positing control  
Easy tire replacement



**Maintenance friendly trolley design**

Energy chain for trolley traverse  
Wider machinery deck



**Future upgrades**

Automation upgrades available:  
Remote operation  
Automation

**Solutions for a Sustainable Future**

The roadmap to a Zero Emissions TRANSTAINER® crane



Conventional TRANSTAINER®



Near Zero Emissions TRANSTAINER®



Zero Emissions TRANSTAINER®

**Phase 1:**

Immediately lower emissions and operating expenses by procuring NZE Transtainer Cranes or by upgrading conventional Transtainer Cranes to NZE.

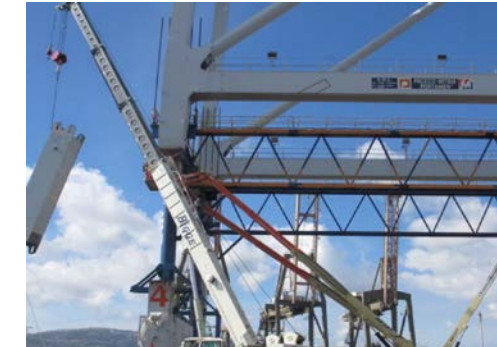
**Phase 2:**

Easily exchange the diesel genset with a Hydrogen Fuel Cell (FCPP) Power pack and Hydrogen Tanks to achieve zero emission when Hydrogen fuel supply is readily available in the terminal

With decades of experience and innovation, PACECO® can provide solutions for the increase of overall crane height and outreach allowing your terminal to accommodate ever-increasing ship sizes.



Boom Extension



Crane Raise



Crane Condition Survey

- Patented counterweight design
- Boom hoist system remains unchanged when the boom is extended.
- Waterside wheel load increases less than 5%.
- Multiple Jacking towers
- Internal Engineering

#### **Genuine PACECO® Parts**

PACECO® can provide replacements for Structural, Mechanical and Electrical components.





## PACECO LICENSEES

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