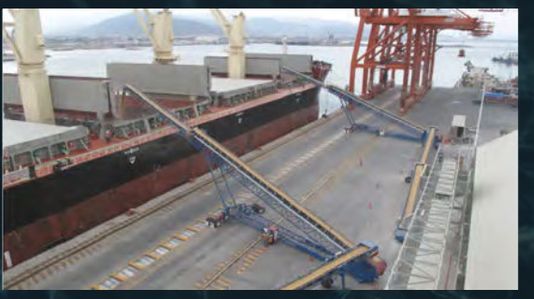
THOR®

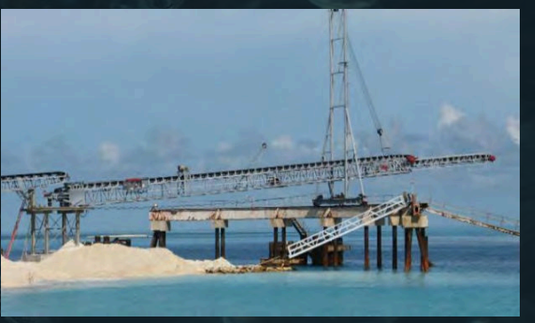
GLOBAL

MEETS HEALTH, SAFETY & ENVIRONMENT REGULATION STANDARDS

SHORT LEAD TIMES & EASY TO ERECT AND MAINTAIN

FIT FOR PURPOSE & DURABLE





PORTS & TERMINALS

SIMPLE | SMART | SAFE

GLOBAL TRENDS: MOBILITY & FLEXIBILITY OF PORT EQUIPMENT

A global trend that is emerging in ports and terminals is to increase flexibility, productivity and efficiency, while minimising capital and operational costs while operating within the environmental constraints as imposed.

The ability to use the same equipment along several parts of the logistics chain within the ambit of a port environment (be it to load a vessel or to assist in creating stockpiles when offloading), has become a key driver for many port and terminal operators who are looking to maximise on their capital investment. This mobility factor ensures port operators and stevedores can use the equipment as required in one area of a multipurpose port and move to another very easily and quickly, or move the units to storage areas, as and when required – flexibility that can never be achieved by a fixed infrastructure system and at a fraction of the cost in a reduced time frame.

Thor Global offers our ports and terminals clients a broad range of products focused on complete and innovative solutions with value added benefit while still operating in the context of global and local pressures.

PORTS & TERMINALS ENVIRONMENT VS PRODUCTVITY

Operating equipment within the ports and terminals environment ranks highly in the category of ‘most demanding industries’ in the world mainly as a result of the actual location (typically near waterways) and the limited time window available (to load or offload vessels). Productivity relies on smooth and reliable operations and in the ports and terminal sector, the equipment used to operate in this environment are exposed to some of the most extreme conditions in the world. From severe vibration in exposed, dirty environments to slow movement under heavy and shock load conditions; winds and potentially corrosive environment (sea air) - all are factors that can limit component life and adversely impact ports and terminals productivity in the event of failure.

At Thor Global, we understand that the key to productivity is equipment reliability which in turn relies on machine selection and the ability to design to the appropriate design code. Our in-depth knowledge of market specific product technologies combined with an understanding of operational demands has enabled our team of engineers to develop a range of products capable of operating under the extreme conditions typically experienced in ports and terminals applications.

SELECTING THE RIGHT SOLUTION: PORTS & TERMINALS OPERATION

Thor Global has a product solution that can be used in most port applications be it to load barges or Post Panamax vessels, to operate as part of the solution of a self-unloading vessel or even to create boutique stockpiles due to its ability to maximize real estate as some of the options under consideration.

The standard Thor products can be tailored to suit your specific need for either a brownfields or greenfields project environments.

In ports and terminals, the selection and design of e.g. a ship loader is influenced by various factors that include the quality and properties of the bulk material, vessel size, number of hatches, loading hatch sequence, understanding how the product will be fed into the ship loader, local conditions, environmental requirements and performance parameters to name but a few factors for consideration. Keeping these crucial factors in mind, our engineers have designed a variety of Ship loaders to meet the most demanding of needs.

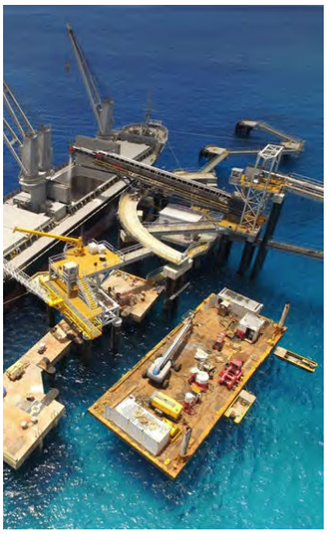
Choosing the correct system is therefore the ability to find the optimal balance between product technology, expected lifetime of the system, application, time, financial aspects as well as attention to Health Safety & Environment. Specifying the right equipment in the system early in the design phase can optimize the design life as well as considerably increase the time to first maintenance.

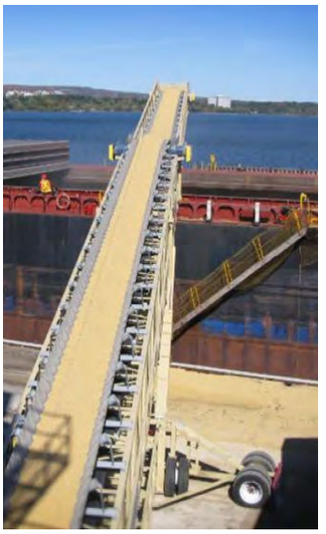
QUALITY CONTROL

We understand that quality and consistency in products, service and technical support are of key importance to our Customers and Thor Global is proud of the fact that all our products are designed in-house leveraging on the expertise of our engineers from mechanical, structural and EC&I with local fabrication and testing of each machine being done at our fabrication facility in Toronto, Canada.

DEALER NETWORK & TECHNICAL SUPPORT

Thor's global experienced dealer network ensures that we are there to follow up on the project from start to finish, whether it is through our technical advice at the engineering stage or through our presence at the final construction site for erection or commissioning support, repair and future maintenance advice – we are there for you!





THOR®
GLOBAL

THOR Global is a leading manufacturer of bulk material handling equipment for applications ranging from mining, recycling and aggregate to agriculture, ports and terminals. Founded in 1969, THOR has grown significantly over the years in order to provide innovative solutions with unparalleled service and technology partners worldwide.

Since its inception, THOR has continuously grown on the back of in-house structural, mechanical and electrical engineering capability and partnering up with a strong 'customer centric' dealer network. The business philosophy of combining this innovative design approach with proven and durable products coupled to a strong dealer partnership network has differentiated THOR over many years.

THOR has been able to prove that a standard product can be applied to multiple applications and it is this approach that differentiates THOR Global in the industry.

www.thorglobal.ca

MOVE
MOUNTAINS.