

# Unequalled kinematics

- Logical, ultra-rapid, completely automatic, the HDT is equipped with erection kinematics which guarantee an excellent profitability/security ratio for users.

The number of manoeuvres reduced to a strict minimum, hydraulic raising carried out by cylinders equipped with security systems, provide simplicity and very short erection times.



- The reduced space requirement for telescoping the mast and unfolding the jib allows the HDT to be set up in tight places, close to the building. Many different out-of-service positions are also quickly and easily available, ideal in congested environments.



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## Potain, the world leading tower crane manufacturer

Potain, the worldwide leading manufacturer of tower cranes, offers a complete range of 60 models, consisting of top-slewing tower cranes, self-erecting tower cranes, and cranes for special applications. With the backing of a large international network of subsidiaries and distributors, Potain is present on all the construction sites throughout the world, with about 100,000 cranes which have already been sold.

Potain is part of the Manitowoc Crane Group, a business unit of The Manitowoc Company. In addition to Potain tower cranes, Manitowoc Crane Group also manufactures Manitowoc Cranes' brand lattice-boom crawler cranes, Grove-branded mobile telescopic cranes and National Crane boom trucks.

## Manitowoc Crane CARE

Manitowoc Crane CARE is the Manitowoc Crane Group's unparalleled product support organization. Manitowoc Crane CARE combines all aspects of parts, service, technical documents, technical support and training into one place. The program also includes all of the Manitowoc Crane Group's brands, which include Potain, Grove, Manitowoc and National Crane.

For the care of your crane and the prosperity of your business, Manitowoc Crane CARE is your single source for customer support. Wherever, whenever, whatever – we're there.



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# HDT Range

**POTAIN** 

“ *Imagine...*  
an *innovative* crane  
with a revolutionary  
*hydraulic system* ”





# HDT, the crane with inspiration



## | HDT Range |

- A completely new design in mast structures
- An entirely hydraulic unfolding system
- Minimum dimensions, without equal in this category
- Even quicker when being transported, quickly installed and unfolded, the HDT attains the summits in automatic erection technology
- With unequalled erection kinematics, it puts hydraulics within reach of large cranes.







The hydraulic cylinder

## The major innovation

A lifting, removable cab. In its quest for security, Potain imagined the HDT with a lifting cab on ladders, and small in size. A cab integrated onto the crane itself during transport.

A lifting and removable cab



## Three telescopic masts !

The HDT also means intelligent mast management with 3 telescopic masts and 3 underhook heights (13.6 m, 22.9 m, 32.2 m). Minimum space taken up for maximum execution speed, this is its motto. Its secret: telescopic by ropes activated by hydraulic cylinders, and goodbye to extension masts. With, in addition to this, automatic locking and unlocking between masts. It had to be invented. Not counting the fact that the crane is transported as a single vehicle train. A great advantage.



Ballasting

## Another innovation

Ballasting with orientation of the blocks with a power-driven derrick. When ballasting with mast raised, the operator can also gain on the radius.



| Bedding down |



| The radio remote control |

## | Integrated transport |



For substantial savings. Facility and saving on transport result from the fact that it is a road vehicle train which is easy to move. Also, it has a high ground clearance to provide better working conditions.

With automated installation operations throughout 360°, the HDT offers even more rapidity and working comfort.



## | Mechanisms and options |

The HDT can be equipped with various mechanisms and security systems which have made Potain famous, standard mechanisms or with frequency variation guaranteeing precise, extremely progressive movements, as well as very low power surge.

The gain in productivity provided by the mechanisms is reinforced by the various Dialog options : the radio remote control, the indicators Dialog Visu, the anemometer Dialog Wind, the interference and zone control Top Tracing and the preventive maintenance Dialog Easy.