

CASE

STUDY

Fall Pipe and Mining Vessel
Joseph Plateau



2017/04

Fall Pipe and Mining Vessel ‘Joseph Plateau’, a sister vessel of the ‘Simon Stevin’, launched at the same shipyard (La Naval in Sestao) in 2009. Both vessels are the largest of its kind worldwide.

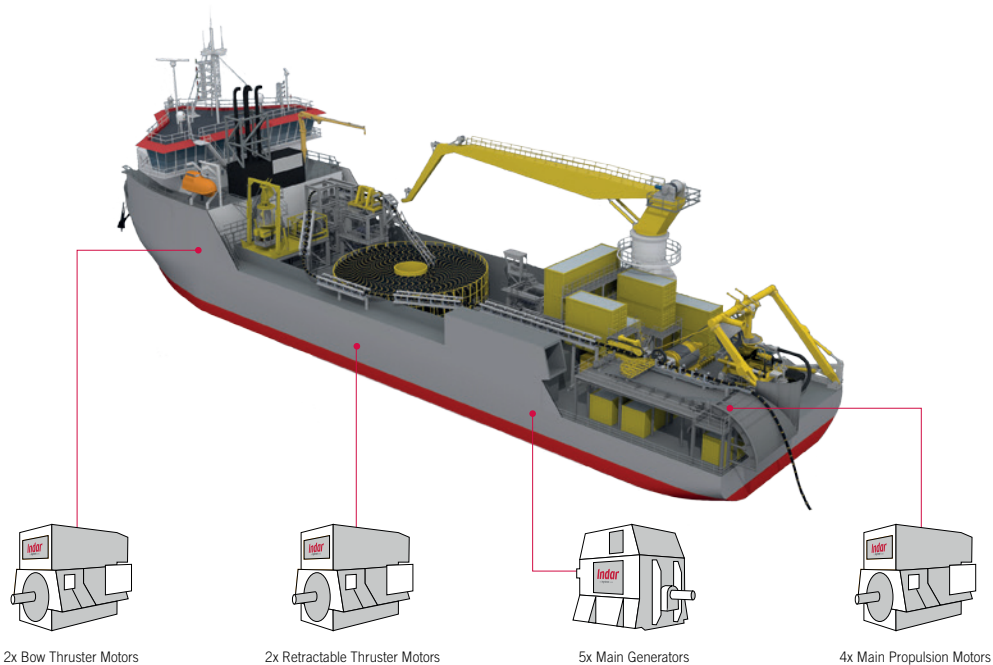
This 191m long vessel is deployed for very accurate rock dumping on and under undersea pipelines up to a depth of 2,000m. The fall pipe deployment system is extremely advanced and fully automatic.

Accurate rock dumping up to a depth of 2,000 m



INDAR Marine Applications:

- Generation
- Propulsion
- On-deck Machinery



General Description	
INDAR Scope of Supply	
Main Generators	- Output power: 5,625 kVA - Voltage: 6,600 V - Speed: 720 rpm
Main Propulsion Motors	- Output power: 3,350 kW - Voltage: 3,150 V - Speed: 1,100 rpm
Bow Thruster Motors	- Output power: 2,000 kW - Voltage: 3,150 V - Speed: 750 rpm
Retractable Thruster Motors	- Output power: 2,000 kW - Voltage: 3,150 V - Speed: 750 rpm



Vessel Main Characteristics	
Owner:	Jan de Nul
Length overall:	191.5 m
Length between perp.:	175 m
Breadth moulded:	40 m
Depth moulded:	13.2 m
Designing draught:	7.5 m
Rock carrying capacity:	31,500 ton
Discharge capacity:	2,000 ton/hour
Max. discharge depth:	2,000 m

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