



# PFM New Generation

The Autonomous  
Motorized Floating Bridge



CNIM provides **high performance world class floating bridges** to global Land Forces for military & disaster relief operations.

The Motorized Floating Bridge (PFM) is a **solution dedicated to continuous or discontinuous crossing of wet gaps** for **MLC 90T/100W** class vehicles (according to STANAG 2021 standards). It can also be used for **civilian operations**, during natural disasters for example.



**MLC 90T/100W**  
Crossing Capability

**No auxiliary boats**

**Automatic Pre-locking**

**Integrated OBM**

**Remote Control**

**Hydraulic Ramp**

**Fast & Easy construction and recovery**  
/ Automatic Pre-locking  
/ Integrated Outboard Engines

**Excellent maneuverability & performance on water**  
/ High Performance Diesel Outboards  
/ 360° Rotation Capacity

**Significant reduction of logistical footprint**  
/ No auxiliary boats  
/ Remote control & command

**Cost efficiency**  
/ Reduced Capital Expenditure  
/ Reduced Infrastructure, training & maintenance costs





Both **a bridge and a ferry** to answer field stakes, the PFM is the chosen tactical solution of Land Forces worldwide.

## PFM New Generation Configuration



CNIM has continuously improved the PFM over the years to meet the requirement of NATO armies and doctrines.

**The New Generation Motorised Floating Bridge** is composed of several sub-systems offered in different configurations. **The PFM is thus the most flexible solution on the market, the two main configurations of which are the PFM LG and the PFM XP** (other configurations are available on demand).

### PFM LG : performance & cost efficiency

LAUNCHING SYSTEM  
SEMI-TRAILER



INTERIOR SECTION  
10m LONG SECTION



PFM  
LG

CARRIER  
6x6 PRIME-MOVER



RAMP  
13,6m TACTICAL RAMP



Both ramp systems can be fitted on any basic configuration

### PFM XP : logistical efficiency & tactical performance

LAUNCHING SYSTEM  
FLATRACK PALLET



RAMP  
7,2m RAMP SECTION



PFM  
XP

CARRIER  
8x8 DROPS-PLS TRUCK



INTERIOR SECTION  
6,75m SHORT SECTION







PFM LG : performance & cost efficiency



The 6x6 prime mover with semi-trailer offers high land mobility on rough terrain



**Fastest operational deployment for given length** & retrieving  
Proven launching system



Optimised Cost & Logistical Footprint with 10m long Sections



**Multi purpose tactical ramp\* :**  
/ no bank preparation  
/ interoperability with other floating bridges  
/ dry gap crossing

\* The multi purpose tactical ramp is also available for the PFM XP configuration

PFM LG configuration performances

Mode	Configuration	MLC	Bollard Pull	Staff	Time to build
Ferry	3 sections + 2 ramp	70 T 60 W	48kN	Build : 5 engineering staff + 5 drivers Operate : 4 engineering staff	15 min <div><div></div></div>
Ferry	4 sections + 2 ramp	90 T 80 W	64kN	Build : 6 engineering staff + 6 drivers Operate : 4 engineering staff	20 min <div><div></div></div>
Bridge	100 m	90 T 100 W	144kN	Build : 11 engineering staff + 11 drivers Operate : 4 engineering staff	30 min <div><div></div></div>

PFM XP : logistical efficiency & tactical performance



8x8 Military Standard PLS Trucks ensure high maneuverability & less qualified personnel



Enhanced maneuverability on the water, seamlessly switching between longitudinal & transversal navigation



**Modular Ramp Section\***  
/ high speed entrance  
/ easy to transport  
/ enhanced floatability

\* The modular ramp section is also available for the PFM LG configuration



**Easy deployment** for overseas operations  
**Reduction of logistic footprint**  
/ 2 x A400M to transport an MLC40 Ferry  
/ Over 4 500 km distance

PFM XP configuration performances

Mode	Configuration	MLC	Bollard Pull	Staff	Time to build
Ferry	2 sections + 2 ramp	60 T 40 W	32kN	Build : 4 engineering staff + 4 drivers Operate : 3 engineering staff	15 min <div><div></div></div>
Ferry	4 sections + 2 ramp	90 T 80 W	64kN	Build : 6 engineering staff + 6 drivers Operate : 4 engineering staff	20 min <div><div></div></div>
Bridge	100 m	90 T 100 W	208kN	Build : 15 engineering staff + 15 drivers Operate : 5 engineering staff	30 min <div><div></div></div>



# PFM New Generation



**CNIM, a long standing partner of Armed forces since 1856**



Worldwide  
clients & partners



**2792**  
employees



**588,4 millions €**  
revenues in 2019



**48,2 %**  
from export

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