Offshore Bridges and Gangways
Custom-Engineered Aluminum Structures

MAADI Group custom designs and builds aluminum pedestrian bridges/gangways to be strong and durable, even in extreme temperature and weather conditions.
MAADI Group designs and builds high-strength aluminum temporary and permanent bridge structures for sustainable Offshore platforms, Ports and Marinas. Our advanced aluminum structures are lightweight, yet are ultra-strong to withstand heavy use and provide secure, reliable access even in extreme conditions such as Cyclonic Wind Loading. Bracing members and anti-skid decking units add to structural strength and safety. A sliding bearing connection and a pinned bearing connection are available structure end-point options to ensure reliable connection points regardless of installation tolerances, to accommodate ocean/seas movement.

MAADI Group delivers engineering excellence with the highest production quality for every offshore and maritime project. Our pedestrian work bridges and gangways span lengths up to 160 feet (48.8 meters), with custom clear widths to meet transportation restrictions. Our Professional Engineers innovate with practical and functional maintenance-free structures that do not require costly galvanizing or painting. Our welded aluminum pedestrian bridges and gangways are impervious to corrosion from salt water, chemicals and pollution and will not degrade over time. We work closely with our manufacturing and supplier partners to maintain rigorous quality standards from design through production and installation. We offer fabrications including laser cutting, CNC punching, machining, bending, welding, finishing, and pre-assembly. MAADI Group offers custom integrated design options, such as anti-slip decking, aluminum handrails, midrail, guardrails and kick plates.

For more information
Visit www.maadigroup.com

Codes and Standards

U.S.
- AASHTO (2012) LRFD Bridge Design Specifications
- AWS D1.2/D1.2M:2014 Structural Welding Code – Aluminum
- AS&D (2013) Aluminum Standards and Data

Canada
- CAN/CSA S157-05 (R2010) Strength Design in Aluminum
- CAN/CSA W47.2-11 (2011) Certification for Companies for Fusion Welding of Aluminum

International
- ISO 9001:2008 Quality Management System
- ISO 19901-6:2009 Petroleum and Natural Gas industries Specific requirements for offshore structures – Part 6: Marine operations

MAADI Group, Inc.
1445 Graham-Bell Street, Boucherville, Québec, Canada J4B 6A1
Tel  450.449.0007
Fax  450.449.7707
www.maadigroup.com
info@maadigroup.com

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