BMH JOINT STOCK COMPANY

Reliable steel fabrication partner from Vietnam

Engineering-driven fabrication • Disciplined execution • Reliable delivery



Mombasa Port Development Project — fabrication and assembly of 7 jacket modules

WHO WE ARE

BMH at a glance

A fabrication-focused partner delivering complex, non-standard steel packages for international EPC contractors, bridge builders and industrial companies.

15,000 MT	50,000 m²	15,000 m²	168	3
NOMINAL ANNUAL CAPACITY	CONTROLLED PRODUCTION AREA	INDOOR WORKSHOP AREA	TOTAL WORKFORCE	INTERNATIONAL CERTIFICATIONS

Core focus

- Steel bridges and bridge components
- Heavy and complex steel structures
- Power, energy and industrial equipment
- Bulk material handling systems
- Marine, offshore and pressure equipment

Markets and project exposure

- Japan and Japanese-led ODA projects
- Europe
- United States
- Australia
- Southeast Asia

What customers can expect

- Clear project responsibility
- Engineering and constructability support
- Controlled quality processes and traceability
- Schedule-focused execution
- Flexible delivery and load-out planning

POSITIONING

Why international customers choose BMH



01 Engineering-driven execution

Constructability review, shop-drawing support, nesting and production coordination are integrated with fabrication.

02 Complex fabrication capability

Experience across bridge, industrial, marine, bulk handling and pressure-equipment packages.

03 Disciplined project control

Planning, progress tracking, inspection coordination and document control support predictable execution.

04 Reliability under demanding conditions

Proven experience in overseas recovery work, large-module assembly and international delivery.

FABRICATION SECTORS

Fabrication capability across six demanding sectors



BRIDGE STRUCTURES



INDUSTRIAL STEEL



BULK HANDLING



PRESSURE EQUIPMENT



MARINE & OFFSHORE



PROCESS EQUIPMENT

EXECUTION SCOPE

From planning to delivery — one coordinated execution flow

01 **Planning & scheduling**

02 **Engineering support**

03 **Procurement coordination**

04 **Fabrication & coating**

05 **Inspection & documentation**

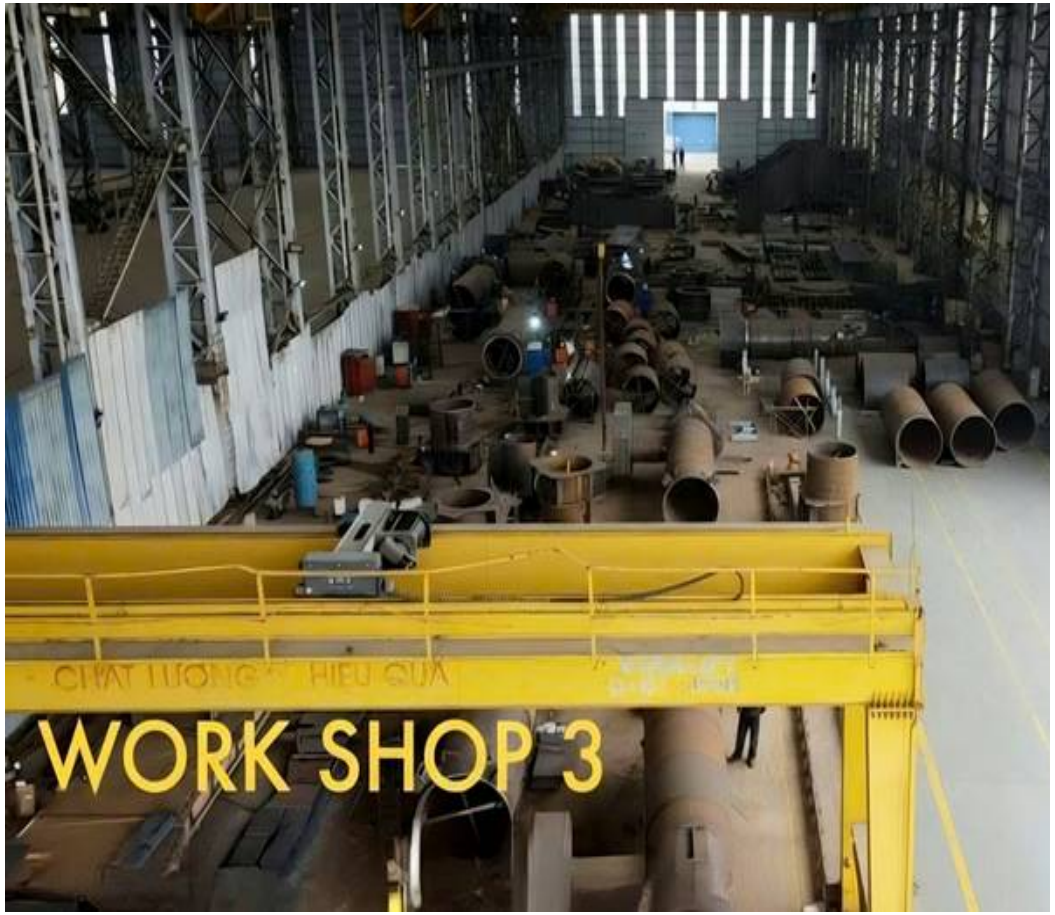
06 **Assembly, load-out & delivery**

Clear responsibility boundaries

Fabrication is BMH’s core strength. Specialized engineering, erection, logistics and independent inspection support can be coordinated through controlled partners where required by the project.

PROJECT MANAGEMENT

One accountable control system from kickoff to shipment



Schedule

Master schedule, detailed production planning and milestone control

Progress

Weekly/monthly reporting and fabrication status by work package

Materials

Procurement status, traceability and issue control

Quality

ITP, hold points, inspection status, NCR and corrective actions

Documents

Drawing, revision, transmittal and manufacturing-record control

Delivery

Packing, assembly, load-out and shipping coordination

ENGINEERING & DESIGN SUPPORT

Engineering and dimensional control for manufacturability

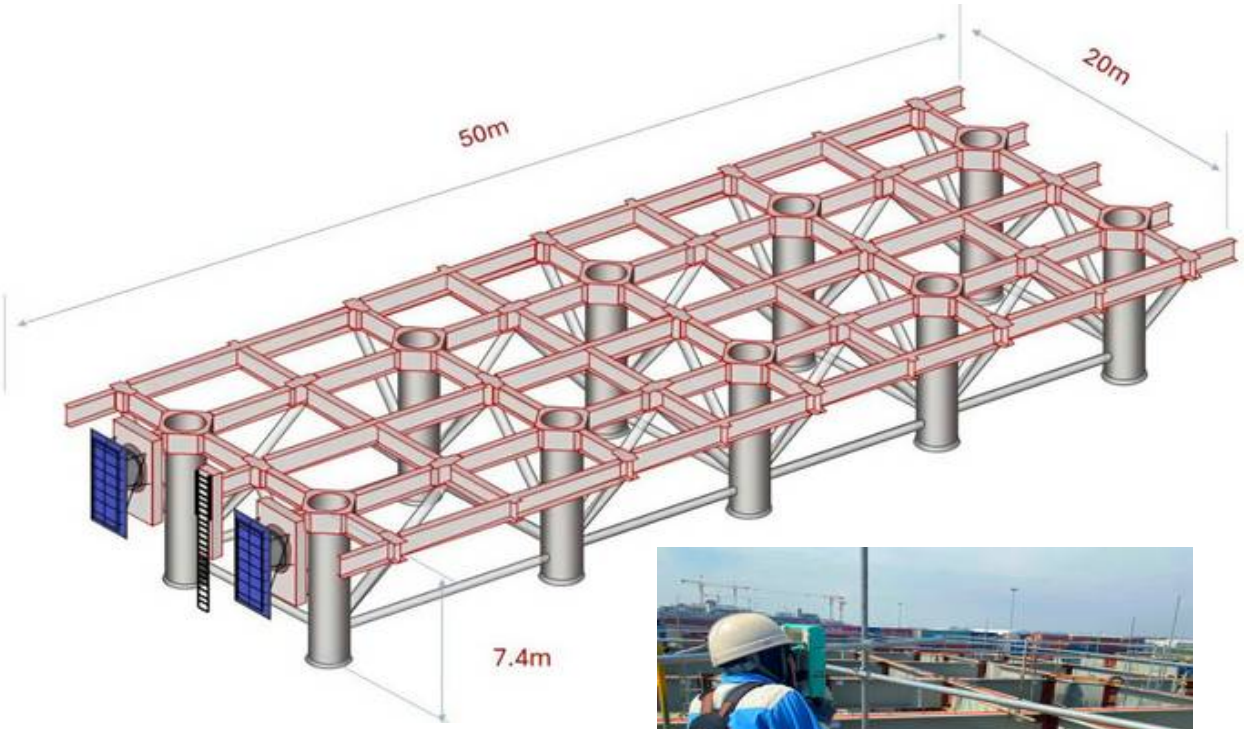
In-house and coordinated capability

- 3D model-based detailing and clash review
- Shop and fabrication drawing support
- Material take-off and nesting coordination
- Constructability and trial-assembly planning
- Total-station survey for large-structure geometry
- Close coordination with production and QA/QC

Engineering and production tools

Tekla Structures • AutoCAD • PV Elite • ProNest • CP Manager

Applicable project standards include ASTM, JIS, EN, DIN, BS and GB, subject to contract requirements.



Engineering for manufacturability and dimensional accuracy

QUALITY MANAGEMENT

Inspection, traceability and final records at every stage

01 Engineering coordination
Drawing review, constructability and revision control

02 Material control
Mill certificates, identification and heat-number traceability

03 Fabrication control
Fit-up, welding, dimensions and process compliance

04 Inspection & testing
ITP, hold points, NDT and client/TPI coordination

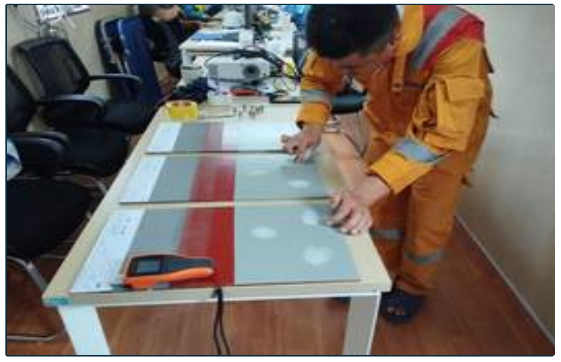
05 Final documentation
As-built records and manufacturing data dossier

06 Delivery release
Packing, preservation, load-out and shipping records







CERTIFICATIONS & COMPLIANCE

International certifications support controlled fabrication



ISO 9001

Quality management system



EN ISO 3834-2:2021

Comprehensive welding quality requirements
Fusion welding of metallic materials
Valid until October 2028



EN 1090-1:2009+A1:2011

Factory Production Control
Steel structural components • up to EXC2
CE Marking Method 3a

Certificate scope and validity should always be checked against the latest issued certificates and the requirements of each project.

FACILITIES & CAPACITY

Controlled facilities for fabrication, assembly and delivery

Facility platform

- Total controlled area: 50,000 m²
- Indoor workshop area: 15,000 m²
- Blasting & painting area: 12,000 m²
- Open working and assembly area: 23,000 m²
- Nominal capacity: up to 15,000 MT/year
- Total workforce: 168 personnel

Capacity varies with product complexity, material grade, welding volume and project mix. Project-specific availability is confirmed during quotation.



BMH-operated facilities in Hai Phong

FACILITY LAYOUT

A connected production flow from cutting to final dispatch



Production zones

- Cutting and material preparation
- Fabrication workshops
- Heavy assembly areas
- Blasting and painting
- Storage before and after coating
- Open yard and dispatch areas

The layout supports controlled movement of material and large assemblies while separating fabrication, coating and storage activities.

CUTTING WORKSHOP

Cutting and forming capability for heavy fabrication



Workshop 1

- Dimensions: 92 m × 23 m × 12 m
- Area: 2,116 m²
- 10-ton overhead cranes: 2 units
- CNC laser, plasma and flame cutting
- Maximum cutting thickness: up to 240 mm
- Cold cutting equipment: 2 units
- Plate rolling capacity: 40 mm
- Press capacity: 300 tons

Equipment availability and processing limits are confirmed against material grade and project specification.

HEAVY FABRICATION

Workshop capacity for large and heavy assemblies



WORKSHOP 2

126 m × 38 m × 12 m • 4,788 m² • 10T × 4 + 5T × 2 cranes



WORKSHOP 3

172 m × 38 m × 25 m • 6,536 m² • 16T × 4 + 80T × 2 cranes
Maximum individual overhead-crane rating: 80 MT

WELDING CAPABILITY

Controlled welding from qualification to final records



Controlled welding system

- Project-specific WPS and PQR control
- Welder qualification and continuity tracking
- Joint preparation and fit-up inspection
- Preheat, interpass temperature and consumable control
- Visual and non-destructive testing coordination
- Repair, NCR and corrective-action management
- Full welding and inspection records for final dossier

BMH maintains qualified welders and project-specific welding documentation in accordance with applicable codes and customer requirements.

WELDING QUALIFICATION & QUALITY CONTROL

Qualified procedures and welders deliver consistent quality



WELDING PROCEDURE QUALIFICATION (WPS)
THÔNG SỐ KỸ THUẬT QUY TRÌNH HÀN (WPS)

Manufacturer's WPS no.:	BMH-WPS-012	Revision:	0
Manufacturer's WPQR no.:	BMH-PQR-012-1 & BMH-PQR-012-2	Code & Standard:	ISO 15609-1: 2019

Welding Process:	136(FCAW)	Welding method:	Semi-auto
Metal Transfer mode:	N/A	Product type:	All product forms, i.e. plate, pipe
Weld Detail:	Butt Weld, Fillet Weld	Temperature range:	N/A (Không áp dụng)
Welding time:	N/A (Không áp dụng)	Method (shielding gas):	N/A (Không áp dụng)
Heating rate:	N/A (Không áp dụng)	Cooling rate:	N/A (Không áp dụng)
Single or Multi run (per side):	Multi run (Nhiều lớp)	Weaving/String maximum width of (per filling/Thông thợ rộng tối đa):	Max filling bề rộng tối đa 18mm)
Single or Multi electrodes:	Single Electrode (Điện cực đơn)	Additional filler material:	N/A (Không áp dụng)
Oscillation (dao động):	N/A (Không áp dụng)	amplitude, frequency, dwell time:	N/A (Không áp dụng)
Distance contact tube/work piece:	15-20 mm	Grinding/Torch cup size:	N/A (Không áp dụng)
Torch angle:	15 °-20°	Method of Preparation & Cleaning:	Grinding & Brushing
Details of Back Gouging:	Grinding and Carbon arc gouging	Backing/ backing material:	with backing or back gouging
Pulse welding details:	N/A (Không áp dụng)	Plasma welding details:	N/A (Không áp dụng)

Run	Welding Process	Dia. Filler (mm)	Filler material	Current (A)	Voltage (V)	Type of Current/ Polarity	Wire feed Speed (cm/min)	Travel Speed (mm/min)	Heat Input (KJ/mm)
Root	136	1.2	ISO 17633-A T 49 1 P M21/C1 2	130 ~ 165	22 ~ 26	DCEP	-	100 ~ 200	0.94 ~ 2.04
Hot, Fill, Cap	136	1.2	ISO 17633-A T 49 1 P M21/C1 2	140 ~ 170	23 ~ 27	DCEP	-	150 ~ 350	0.48 ~ 1.39

	Prepared by Manufacturer	Reviewed by Manufacturer	Qualifying body/NEWIN VINA
Name:	Nguyen Duc Nam	Do Quoc Tuan	
Signature:			
Date:	3-Nov-2025	3-Nov-2025	3-Nov-2025



WELDER PERFORMANCE QUALIFICATION TEST RECORD

Welder Certificate No.: WID-BMH-2507-004

Name	HOANG DUY BANG	Test Date	26-Jun-2025	Rev.	
ID Number	031084004773	Record No.	WPQ-WID-4773	00	
Welder ID	BMH-WID-4773	Coupon no.	-	-	
Employer	BMH JOINT STOCK COMPANY	WPS No.	BMH-WPS-014	00	
		Code/Standard	AWS D1.1: 2020		

BASE METALS	Specification	Type or Grade	AWS Group No.	Size (NPS)	Schedule	Thickness	Diameter
Base Material	JIS G3106	SM490	-	-	-	12.7 mm	355.8 mm
Welded To	JIS G3106	SM490	-	-	-	18 mm	355.8 mm

VARIABLES	Actual Values	RANGE QUALIFIED
Type of Weld Joint	Pipe - Groove without backing	Groove, FJP, Fillet, Plug, and Slot Welds (T-Y-K, Dihedral angles ≥ 30° Except: Note1, table 10.13)
Base Metal	JIS G3106 SM490	Any certified carbon steel

	Groove	Fillet	Groove	Fillet
Plate Thickness	-	-	5 mm to Unlimited	Unlimited
Pipe/Tube Thickness	12.7 to 18 mm	-	5 mm to Unlimited	Unlimited
Pipe Diameter	355.8 mm	-	Min. 100 mm	Unlimited

Welding Process	SMAW	FCAW-G	SMAW	FCAW-G
Type: Manual, Semiautomatic, Mechanized, Automatic)	Manual	Semi-automatic	Manual	Semi-automatic
Backing	Without	With	With/ Without	With or Back gouging
Filler Metal (AWS Spec.)	AWS A5.1	AWS A5.20	All. ex	All. ex
AWS Classification	E 7016	E 71T1 1C	All	All
F-Number	F 6	-	F1 through F4	
Position	6GR	6GR		
Groove – Plate & Pipe ≤ 600mm			All, except CJP of T-Y-K connections (box)	All, except CJP of T-Y-K connections (box)
Groove – Pipe > 600mm				
Fillet – Plate & Pipe ≤ 600mm			All	All
Fillet – Pipe > 600mm				
Progression	Uphill	Uphill	Uphill	Uphill
GMAW Transfer Mode	-	-	-	-
Single or Multiple Electrodes	-	Single	-	Single
Gas/Flux Type	-	None	As ex Approved	As ex Approved

TEST RESULTS

Type of Test	Acceptance criteria	Results	Remarks
Visual Examination per 6.10.1	6.10.1	Acceptable	
Guide Bends Test per 6.10.3.1	6.10.3.3	Acceptable	

CERTIFICATION

Test Conducted by	
Laboratory	SERVICE QUALITY CONTROL LTD., CO (SQC)
Test Number	
Report Number	BMH-PQR-014 (WPS)

We, the undersigned, certify that the statements in this record are correct and that the test welds were prepared, welded, and tested in accordance with the requirements of Clause 6 of AWS D1.1/D1.1M 2020 Structural Welding Code—Steel

	BMH JSC	3rd Party Authority NEWIN VINA
Name	Nguyen Duc Nam	
Signature		
Date	23-Jul-2025	23-Jul-2025



QUALIFIED WELDING PROCEDURE

WPS • AWS D1.1/D1.1M:2020 • FCAW process

QUALIFIED WELDER

Welder performance qualification • AWS D1.1 • FCAW

PRODUCTION WELD QUALITY

Representative weld • Visual workmanship control

BLASTING & PAINTING

Surface preparation and coating for demanding service conditions



Coating capability

- Blast cleaning to Sa 3 in accordance with ISO 8501-1
- One blasting workshop and two painting workshops
- Indoor blasting room: 660 m²
- Two painting rooms: total 1,320 m²
- Humidity-controlled paint-shop environment
- Marine, industrial, heat-resistant and fireproofing systems
- Coating systems from leading international manufacturers

Coating procedures, DFT, environmental conditions and inspection points are controlled to project specifications.

QHSE MANAGEMENT

Safe operations protect people, quality and schedule



Toolbox talk and safety briefing at BMH workshop

Quality

Process control, traceability and compliance throughout execution

Health & safety

Risk assessment, induction, toolbox talks and safe-work controls

Environment

Responsible handling of materials, coating activities and waste

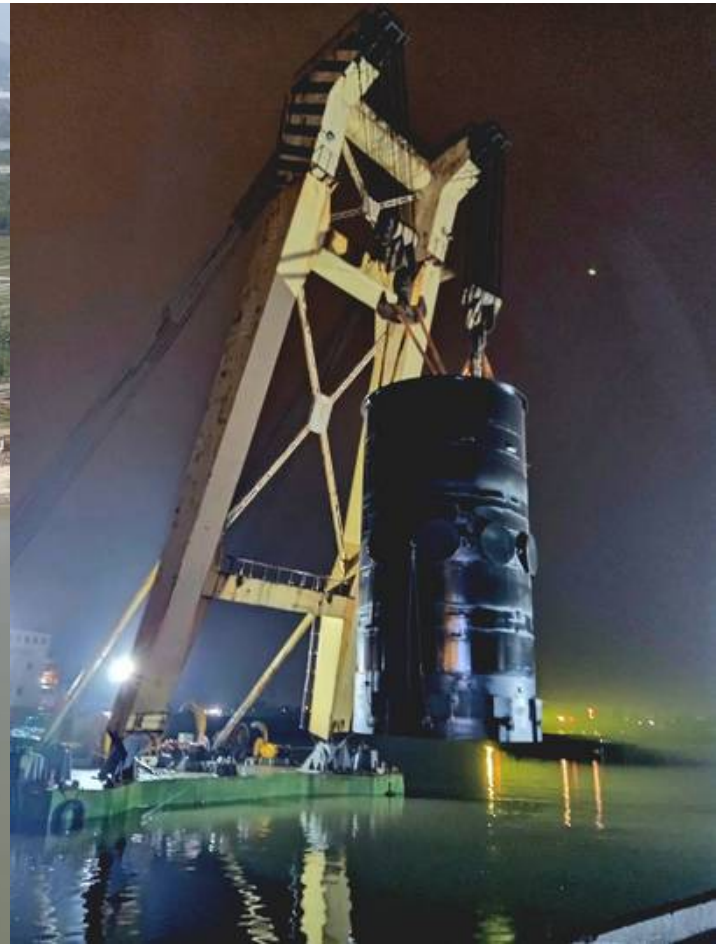
Responsible operations

Steel scrap segregation, controlled waste handling, fair employment and continuous resource-efficiency improvement.

DELIVERY INFRASTRUCTURE

Waterfront access supports oversized and heavy delivery





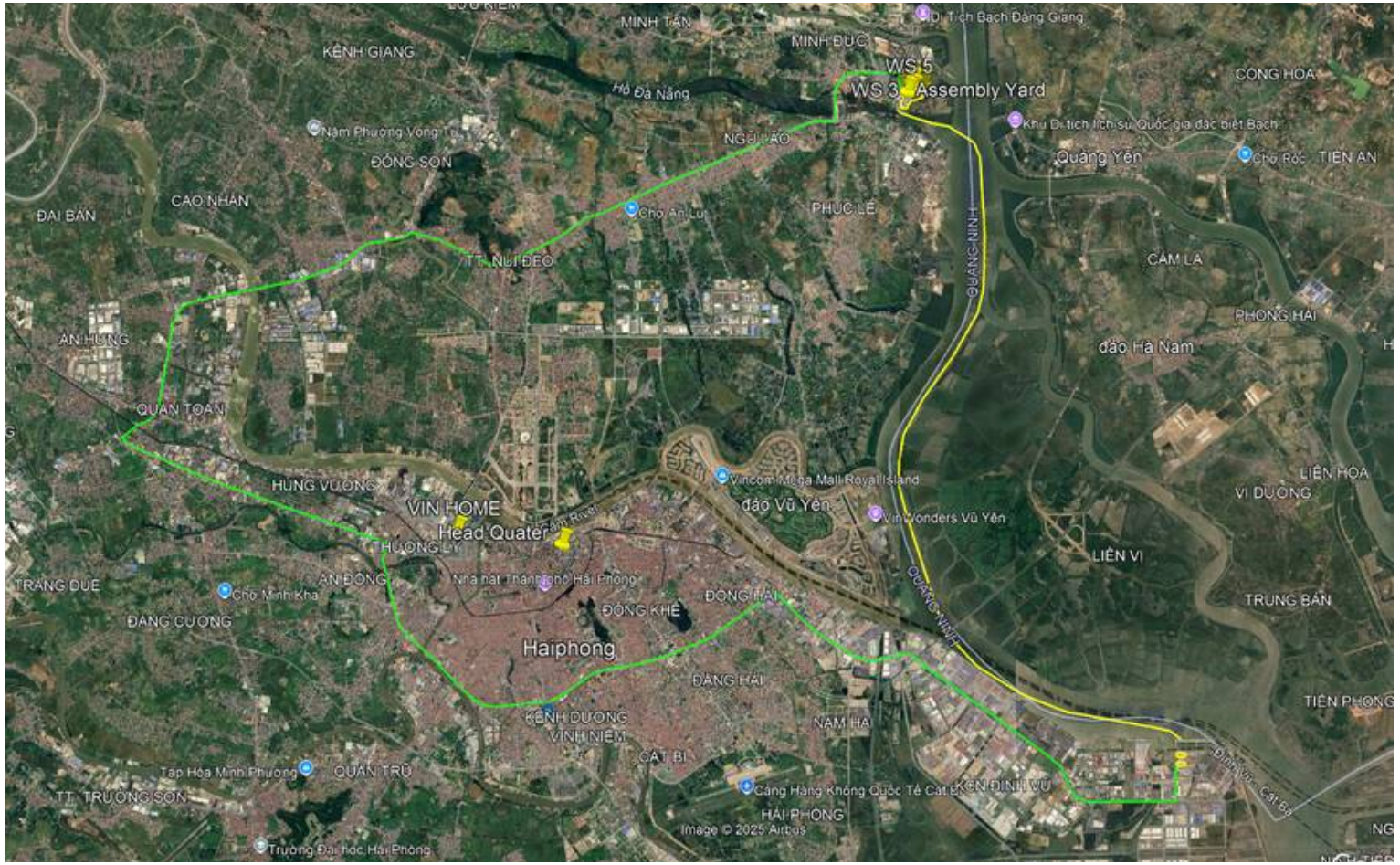
Waterfront & heavy-lift evidence

- Jetty approx. 400 m; draft approx. 5.5 m
- On-site crane capacity: 50 MT
- Proven 110 MT dolphin buoy load-out
- GN Marine project; delivery to Australia
- Project-mobilized floating cranes and specialized lifting equipment

Permanent on-site capacity and project-mobilized heavy-lift resources are stated separately.

LOGISTICS & ASSEMBLY

Flexible routes reduce handling and protect delivery schedules



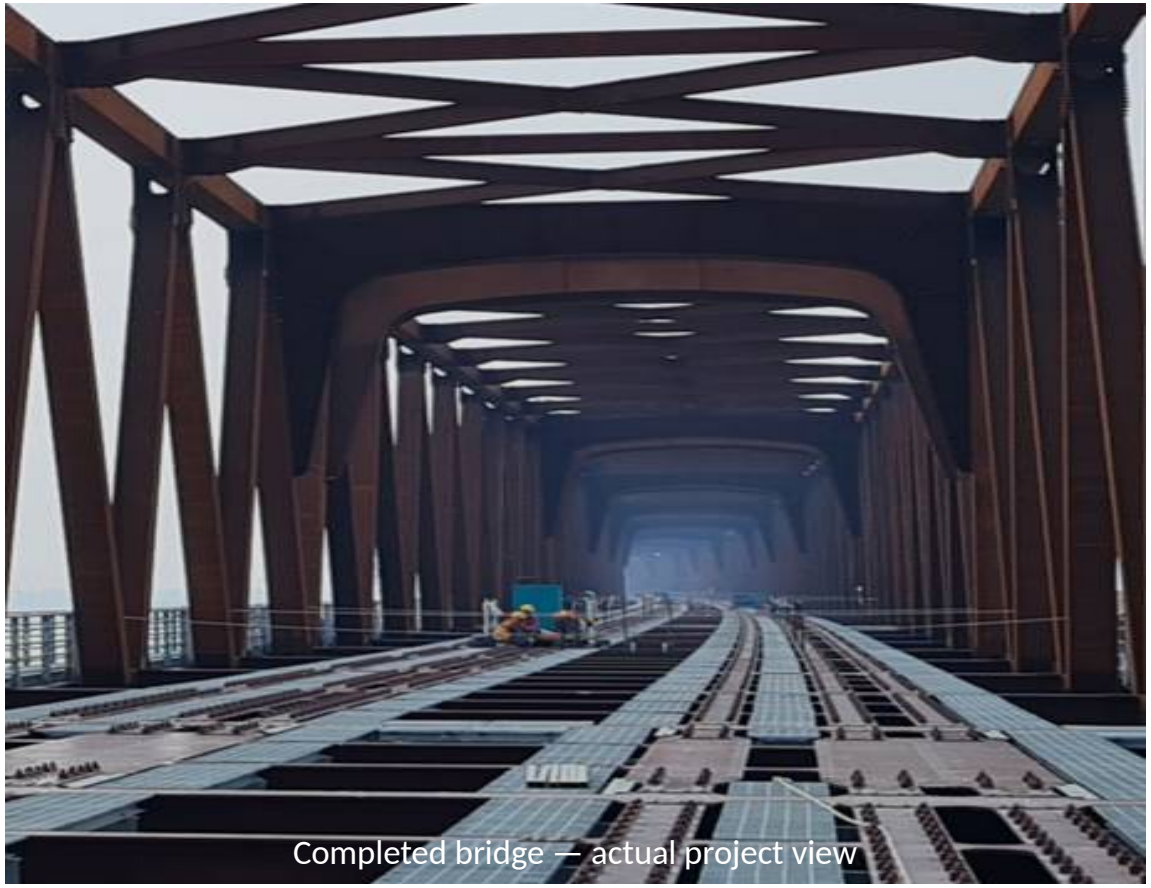
Two principal delivery options

- Barge transport to NDV assembly and load-out area
- Road transport to Hai Phong deep-water port
- Route selected according to cargo dimensions and weight
- Reduced handling for large and heavy structures
- Assembly, preservation and load-out planned as one integrated sequence

The typical transport distance is approximately 18 km by barge to the NDV assembly and load-out area, or approximately 50 km by road to Hai Phong deep-water port.

BRIDGE FABRICATION

Bridge fabrication backed by Japanese project experience



Completed bridge — actual project view



Jamuna Railway Bridge — 3D visualization

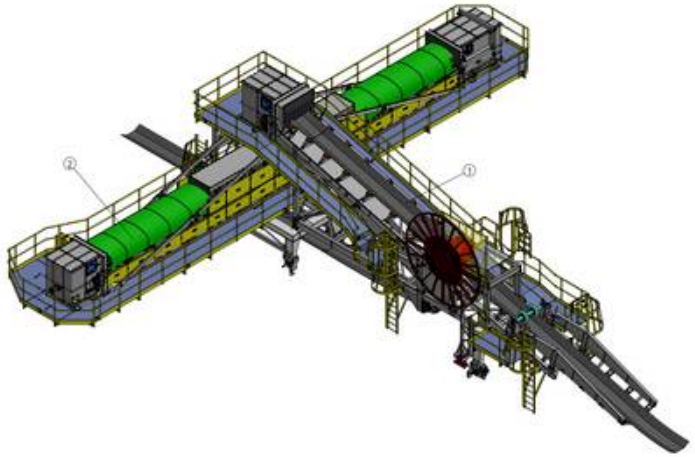
Products and capability

Railway bridges • Plate and box girders • Arch-bridge components
• SCCD structures • Trial assembly • Dimensional control

Bridge fabrication experience for Japanese customers and Japanese ODA projects

INDUSTRIAL FABRICATION

Heavy industrial and bulk-handling structures







Stacker & tripper car systems

Manyar Smelter – **PHB Weserhütte**

Conveyor structures

Wolffdene Plant 2 – **RIDGE**

Power Feed Equipment

Green Bay Packaging – **ANDRITZ**

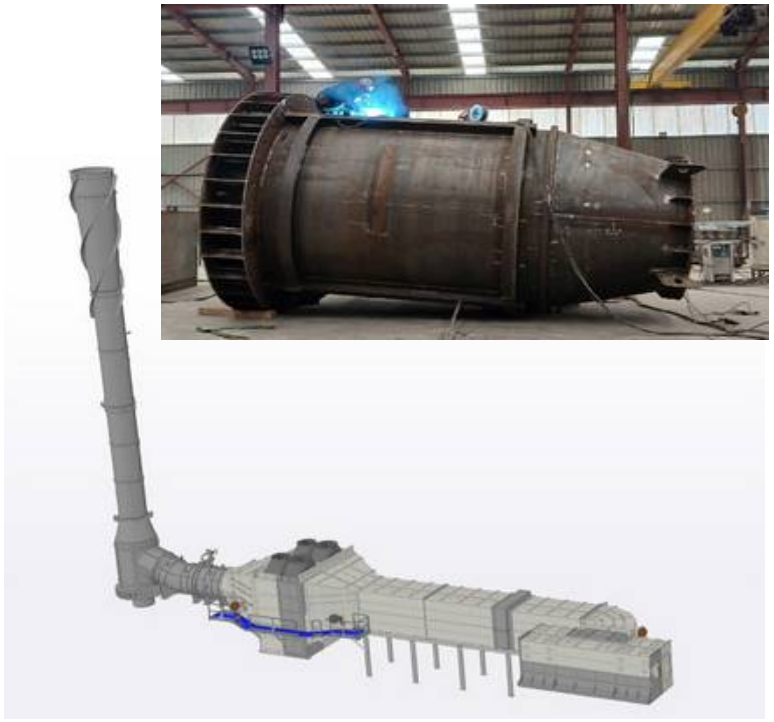
PROCESS EQUIPMENT

Process equipment, tanks and welded vessels



Pressure vessels & tanks

Nevada Bio Refinery Project – **Verbio**



Waste-gas ducts & chimneys

Metallus Project – **SMS group**

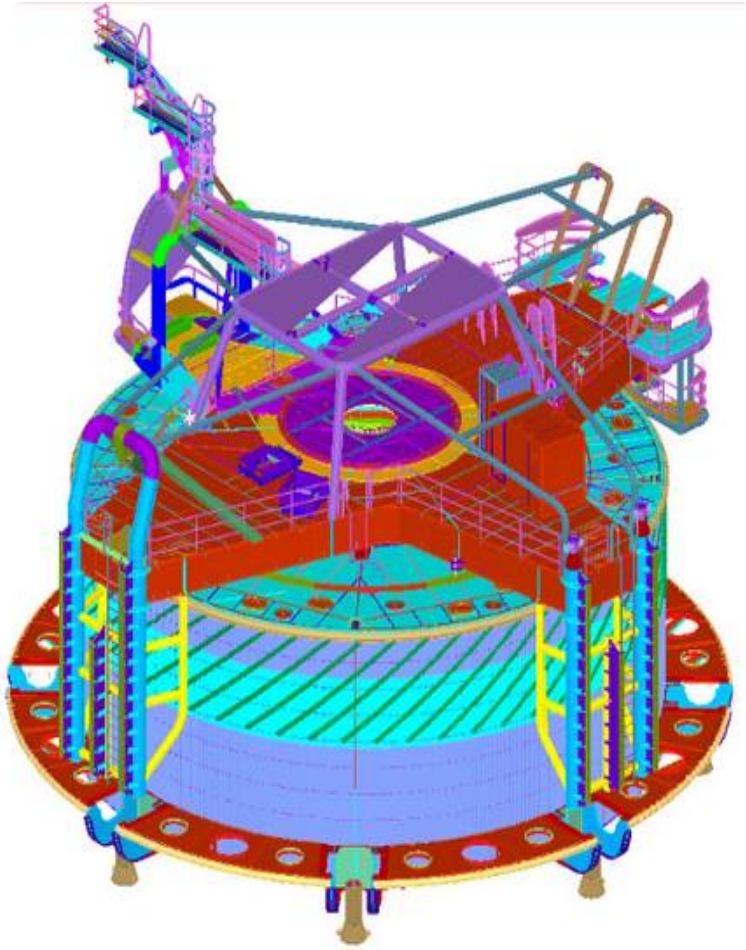


Combustion chambers

Bemidji project – **Siempelkamp**

MARINE & OFFSHORE

Marine and offshore structures with integrated assembly support



Calm Buoy project — 3D visualization



Calm Buoy project — Fabrication

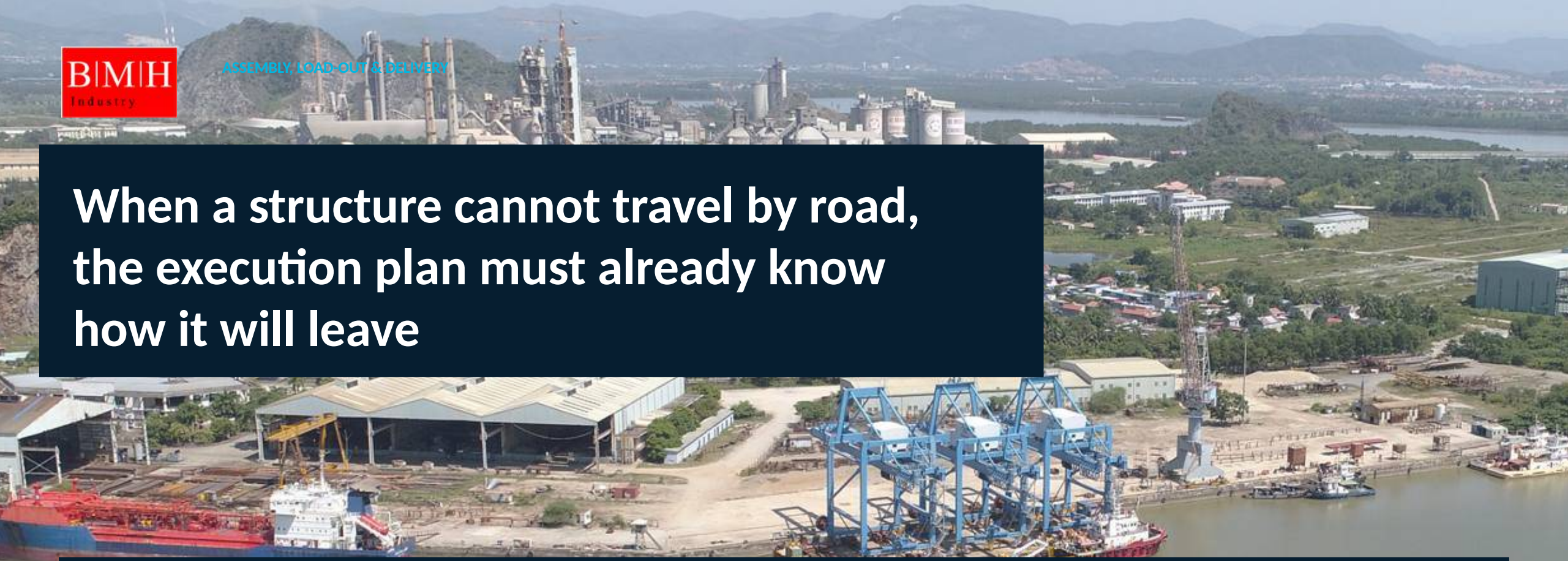


Dolphin Australia project

Representative scope

- Basic-design coordination and fabrication
- Assembly, equipment installation and functional testing
- Trial assembly, coating and delivery
- Large-component handling and waterfront load-out planning

When a structure cannot travel by road, the execution plan must already know how it will leave



01

Pre-assembly

Interface verification before shipment

02

Yard assembly

Large-module integration near waterfront

03

Direct load-out

Barge or vessel loading coordination

04

Overseas delivery

Packing, marking and shipping support

PROJECT CASE STUDY

Landmark project: Mombasa Port Development



JAPANESE ODA PROJECT | KENYA

Fabrication and assembly scope for seven large jacket modules for JFE Engineering

3,927 MT total
≈561 MT per module
7 jacket modules

Fabrication and assembly of the jacket modules, with project delivery support.

PROJECT CASE STUDY

Overseas execution: Jamuna Railway Bridge

JAPANESE ODA PROJECT | BANGLADESH

Execution support for approximately 4,500 MT of bridge steel fabrication

- Customer: OTJ Joint Venture
- BMH personnel deployed to Bangladesh
- Fabrication leadership and execution support
- International project coordination
- Demonstrated recovery-project capability

BMH demonstrated its ability to mobilize overseas and take responsibility under demanding execution conditions.



GLOBAL EXPERIENCE

Trusted by customers across international markets



International market presence

- Japan
- Europe — established customers and a growing business network
- United States
- Australia

Map markers highlight selected customer markets and do not represent the full geographic reach of BMH's business network.

SELECTED CUSTOMERS & PROJECT REFERENCES

Trusted by international customers across multiple sectors

JFE Engineering

Mombasa Port

YBC

Matabari Bridge

ANDRITZ

Green Bay Packaging

SIEMPELKAMP

Bemidji Combustion Chamber

VERBIO

Nevada Bio Refinery

SMS group

Metallus

PHB Weserhütte

Manyar Smelter

RIDGE

Wolffdene Plant 2

Selected project references illustrate BMH's experience across multiple sectors. All trademarks and logos remain the property of their respective owners.



BMH
Industry

Let’s discuss your next fabrication package

BMH combines engineering coordination, controlled fabrication, disciplined project execution and flexible delivery support for complex international projects.

BMH JOINT STOCK COMPANY

Head Office: 22 Ly Tu Trong, Hai Phong, Vietnam
Factory: Minh Duc, Hai Phong, Vietnam
Website: https://www.bmh.com.vn
Email: info@bmh.com.vn • Phone: +84 896 107 669

Engineering-driven fabrication. Disciplined execution. Reliable delivery.