



Bygging-Uddemann



GLOBAL LEADER

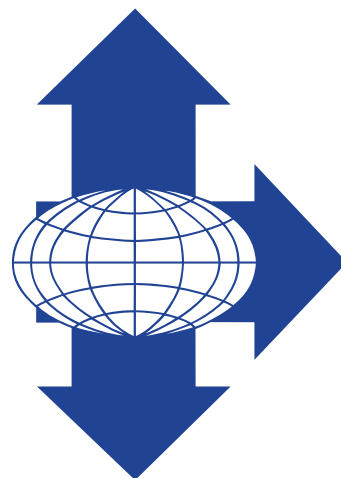
– ON SERIAL PRODUCTION SYSTEM FOR
OFFSHORE FLOATING AND GRAVITY BASE
CONCRETE STRUCTURES



A GLOBAL LEADER

With more than 70 years of experience, Bygging-Uddemann is a global leader in slipform construction of tall concrete buildings. Bygging-Uddemann is based in Sweden, but has performed projects in over 100 countries and has representatives worldwide. In addition to slipform construction, we are a leader in steel tank construction, hydraulics for heavy lifting, and transport of heavy loads.

Bygging-Uddemann is a highly innovative company, and we are constantly working to optimize our systems, methods, and equipment to meet future challenges. Our well-developed systems are both time-effective and cost-effective, with all production taking place on site with our customers, which means that we also train their staff in service, production, and handling. Overall, this means that Bygging-Uddemann offers a completely unique, but also flexible production system, designed for long-term durability to the benefit of all our customers.





VALUE-GENERATING QUALITATIVE SYSTEMS AND SERVICES

GANTRY SLIPFORM SYSTEM – LARGE COMMERCIAL SCALE PROJECT

The Gantry Slipform set-up is developed for large scale construction projects, where an investment on a serial production line will ensure the lowest cost per unit. This set-up will normally require a project with a total number of concrete units (i.e., caissons, concrete floaters, gravity base structures) ranging from 30 units and above.

The Gantry Slipform set-up will eliminate all time-consuming construction activities such as re-assembly of formwork, work decks and scaffolding. With permanent installation of spacious work platforms, you will not only have a very safe and secure construction site, it will also ensure a very high productivity rate. This factory-like construction method with fixed installations such as electric outlets, lightning, weather protection, and fixed lifting equipment will provide our clients with a very easy-to-learn and convenient workplace. Concrete distribution, rebar installation and work decks are all optimized for high-speed production but at the same with maximum safety as top priority. Expected production rate with our Gantry Slipform set-up should be in the range of 6-8m per 24h, or equivalent to minimum one unit per week.

LARGE SCALE PRODUCTION CHECK-LIST:

1. On-site storing facilities of bulk material and concrete batching plant
2. Dedicated area for base slab construction
3. System for rapid wall erection
4. Area for concrete curing and top structure
5. Efficient transfer of concrete structure between stations
6. Launching by floating dock (or assembly of barges)

CONCRETE BENIFITS:

- Suitable for repetitive production
- High productivity
- Predictable material cost (low volatility)
- Consistant quality during production
- Local materials for production
- Local workforce for production
- No maintenance during lifetime (low Opex)

OUR GLOBAL EXPERIENCE ON OFFSHORE CONSTRUCTION PROJECTS

VISIT OUR WEBSITE FOR COMPLETE REFERENCE LIST:

Number units: +3600 Nos

Construction Speed per unit: 4-8m per 24h

Unit size: 5000 – 400.000 ton each

Number of projects: + 70 Nos worldwide

Nador West Med

Location: Morocco

Client: STFA-SGTM JV

Caisson size (m): 21 x 30 x 19

Caisson weight (ton): 8 300

Total number of caissons: 148

Scope of Works: Gantry Slipform and Transfer



Tortue Hub



Location: Senegal

Client: EIFFAGE GENIE CIVIL

Caisson size (m): 28 x 55 x 28

Caisson weight (ton): 16 700

Total number of caissons: 21

Scope of Works: Heavy Duty Slipform and Transfer



Djendjen Container Terminal

Location: Algeria

Client: DAEWOO E&C

Caisson size (m): 22 x 33 x 18

Caisson weight (ton): 6 000

Total number of caissons: 45

Scope of Works: Gantry Slipform and Transfer



AKTOR Corfu Port

Location: Greece

Client: AKTOR

Caisson size (m): 15 x 20 x 30

Caisson weight (ton): 5 000

Total number of caissons: N.A.

Scope of Works: Gantry Slipform



Nakilat Ship Yard Repair



Location: Qatar

Client: DAEWOO E&C

Caisson size (m): 19 x 36 x 14

Caisson weight (ton): 5 000

Total number of caissons: 41

Scope of Works: Gantry Slipform and Transfer



Incheon New Port

Location: South Korea

Client: HYUNDAI E&C CO.,LTD

Caisson size (m): 25 x 43 x 27

Caisson weight (ton): 11 200

Total number of caissons: 42

Scope of Works: Gantry Slipform and Transfer



Tuas Terminal Phase 1 (Finger 2)



Location: Singapore

Client: DAELIM INDUSTRIAL CO.LTD

Caisson size (m): 28 X 40 X 28

Caisson weight (ton): 15 200

Total number of caissons: 221

Scope of Works: Gantry Slipform and Transfer



Son Dong Port

Location: Vietnam

Client: SAMSUNG C&T CORPORATION

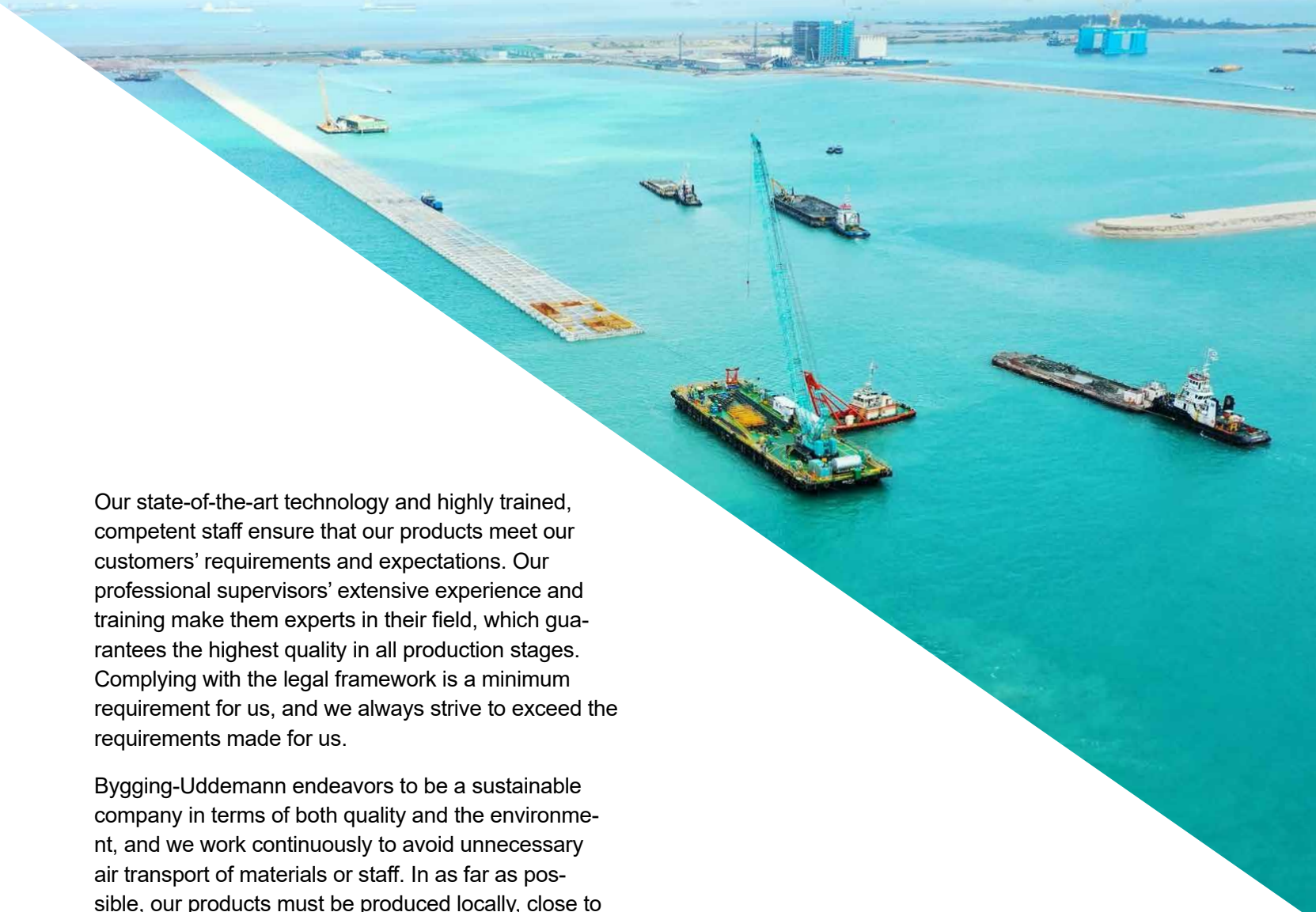
Caisson size (m): 32 x 33 x 19

Caisson weight (ton): 10 000

Total number of caissons: 237

Scope of Works: Gantry Slipform and Transfer





Our state-of-the-art technology and highly trained, competent staff ensure that our products meet our customers' requirements and expectations. Our professional supervisors' extensive experience and training make them experts in their field, which guarantees the highest quality in all production stages. Complying with the legal framework is a minimum requirement for us, and we always strive to exceed the requirements made for us.

Bygging-Uddemann endeavors to be a sustainable company in terms of both quality and the environment, and we work continuously to avoid unnecessary air transport of materials or staff. In as far as possible, our products must be produced locally, close to the end customer's geographical location. We work continuously to make our suppliers improve their environmental awareness, and we encourage them to improve their technology to reduce the overall environmental impact. It is therefore a matter of course for us to support the UN Sustainable Development Goals.



THE GLOBAL GOALS



4 QUALITY
EDUCATION



9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



11 SUSTAINABLE CITIES
AND COMMUNITIES



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



17 PARTNERSHIPS
FOR THE GOALS



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