

**MEGAWIDE**

# World-class Construction Service Solutions



Engineering A First-world Philippines

# WHO WE ARE

MEGAWIDE is a publicly-listed Filipino engineering and infrastructure firm established in 1997. It is one of the country's leading infrastructure developers, with assets in Engineering Procurement Construction, Transport Development, and Progressive Property Development.

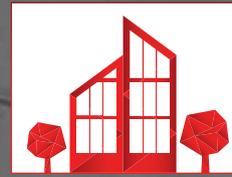
Its revolutionary construction and engineering solutions continue to shape the industry by integrating its comprehensive EPC capabilities with innovative construction support technologies such as precast, formwork systems, concrete batching, as well as world-class equipment, logistics, and services.



Engineering Procurement  
Construction



Transport Development  
Infrastructure



Progressive Property  
Development

## OUR VISION

To become the Philippines' leading and largest construction conglomerate.

## OUR MISSION

To improve communities through engineering excellence by continuously delivering the highest-quality services to our partners.

## Engineering A First-world Philippines

Megawide, rooted in its engineering expertise and strong commitment to excellence, continues to broaden its horizon and expand its services to meet the growing demands of the industry.

We explore new technologies and bring in innovative systems that set new standards in the business. We provide complete, vertically-integrated services that ensure client satisfaction. We deliver world-class construction services and solutions.

As one of the leading engineering and infrastructure firms in the country today, this is how we engineer a first-world Philippines.



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# PRECAST

## Strengthening Foundations

### Megawide and Precast Technology

Megawide employs advanced precast construction technology that enables higher levels of standardization, faster construction time, lower long-term costs, enhanced design, and high-quality finish.

### Megawide Precast Services

#### Design and Customization

The design and engineering team creates a blueprint best fit for client design requirements. Client preference on precast percentage is followed, but the team gives suggestions to ensure an efficient construction process.

#### Precast Production

Precast concrete is produced at the Megawide Precast Plant in Taytay, Rizal. Experts oversee the factory-controlled production, which eliminates the interference of unfavorable conditions and other external variables in the production. Before release, every precast product is inspected and tested to ensure high concrete quality.

#### Delivery and Installation

Precast products are assembled in the factory and transported to project sites using Megawide trucks. The precast construction installation team of experts and seasoned workers guarantees the safety and accuracy of the installation process with strict attention to detail.



In photo: The 6,000 m<sup>3</sup> precast stockyard is located within the Megawide Industrial Complex in Taytay, Rizal.

# PRECAST ADVANTAGES

## Faster Construction Process

- Easy repeatability
- Same construction standard can be applied to structural elements that use the same template without compromising quality
- Once precast products are delivered on-site, construction becomes seamless and continuous

## Lower Long-Term Cost

- Precast concrete is manufactured with allowance for fixtures and piping for greater cost-efficiency
- Precast construction requires less materials and manpower
- Concrete produced through precast technology is durable and even more solid than hollow blocks

## Easy to Customize

- Various existing Reckli templates can be used
- Precast team can custom-made a template based on client's needs

## Consistent, Expert Quality

- Experts and certified workers are part of the Megawide Precast team
- Extensive research, practice, and testing are continuously performed for further innovation
- Megawide Precast can be supplemented by other Megawide business units for consistency and assured quality:
  - Concrete batching plant for mobility and flexibility
  - Formwork solutions for stability
  - Construction equipment, logistics, and services for complete construction needs

# PRECAST INNOVATION

- Megawide collaborates with Reckli to execute various precast designs, including walls of different textures, patterns, and colors.



- Megawide is proud to be the only Prefabricated Bathroom Unit (PBU) Manufacturer in the Philippines.



- The engineering team is currently working on full precast shear wall for midrise developments.



Interior and Exterior Walls



Precast Stairs

# PROJECT HIGHLIGHTS

## PRECAST PRODUCTION, SUPPLY, AND INSTALLATION

### Hollow core slabs in the Clark International Airport Project



### Parapet walls of LRT 1



## Megawide's 1st Horizontal Housing Project in Tanza, Cavite



# BATCHING PLANT

## Reinforcing Construction Mobility

### Megawide Batching Plant and Mobile Batching Services

In order to meet its growing construction demands, Megawide runs its own concrete batching plant in Taytay, Rizal, a mobile plant in Taguig, and other site-based batching plants in large-scale projects. The company heavily invests in cutting-edge concrete batching equipment, utilizing only those made in Germany, a country known for its excellent standard of machinery.

One of the features of Megawide-operated plants is the chilled water control system that helps maintain the high quality of concrete. Each concrete laboratory also allows the design and customization of special mixes, from high-strength concrete to green concrete with high resistance against chloride attack and sulphate. Megawide also uses its own recycling facilities to ensure zero wastage and sustainable practices in its batching plants.

### Batching Plant Features

#### Adaptability

Adaptability is an efficient addition to every project. While most mobile batching services cater to large-scale works, Megawide's are able to service different project scales, from large infrastructure and pure construction ventures to small- to medium-sized projects.

#### High-Standard Concrete

Megawide's own internal laboratory and top-of-the-line German mixing equipment and technology operated by batching plant experts ensure high-quality output from start to finish, from the purchase of raw materials, to the delivery of the finished product.

#### Innovation-Driven Practices

Megawide employs its own Research and Development team to continuously innovate its practices, particularly on utilizing the best available materials that would ensure world-class standards in concrete mixing technology.

#### Concrete Expertise

Megawide possesses an end-to-end expertise in construction, including concrete batching technology, precast solutions, formwork systems, and construction, equipment, and logistics services. That's what it means to engineer *first-world*.

In photo: The batching plant in Taytay, Rizal serves as the main concrete supplier of the Megawide Precast Plant. It can produce 12, 000 PSI high-strength concrete, and has a maximum 1% margin of inaccuracy.



# MOBILE BATCHING PLANT ADVANTAGES

*Engineering A First-world Philippines* means engaging in construction practices that enable innovation, exude excellence, and promise efficiency. To ensure this standard of service with its concrete supply, Megawide expanded its operations to include mobile batching plants set up on-site or in key locations for a better, faster, first-world service.

## **On-time delivery**

- Lesser to minimal travel time is needed for concrete transportation
- Faster construction is ensured

## **High-quality concrete**

- Concrete measured, customized, and mixed on site ensures freshness, accuracy, and excellent quality

## **High-standard processes**

- Fully-computerized and automated processes, equipment, and technologies used in plants guarantee consistent quality of ready-mix concrete

## **Environment-friendly**

- Green materials, such as byproducts from other industries, are used without detracting cement quality
- Double handling is avoided since raw materials go straight to the mobile plant
- Less need for transit mixer transport means less carbon footprint

# MEGAWIDE MOBILE BATCHING PLANTS



**Mactan-Cebu  
International Airport**  
Lapu-Lapu City, Cebu



**Parañaque Integrated  
Terminal Exchange**  
Tambo, Parañaque City



**Urban Deca Manila**  
Tondo, Manila

# FORMWORKS

Shaping Lasting Structures

## Megawide and Formwork Systems

Megawide utilizes formworks technology that ensures time- and cost-efficiency, safety, and excellent quality in every construction project. Megawide Formworks is at par with today's competitive global standards, offering exceptional engineering solutions that create efficient, long-lasting, and world-class infrastructure. With state-of-the-art climbing and forming technology, as well as mature safety concepts, Megawide cements strong foundations and secures resilient structures.

## Megawide Formworks Services

Megawide Formworks offers complete service for its advanced physical climbing and forming technology, operated by experts and certified workers, in order to guarantee world-class construction support standards.

### Layout and Planning

In-house formwork architects, together with contractors and developers, conceptualize on the layout and design to provide efficient formwork solutions.

### Labor Installation

NC II-certified workers install formworks on site with strict implementation of safety standards.

### Technical Inspection

Clients are provided with continuous training on the effective and efficient use of formworks. Megawide Formworks experts also visit the projects frequently to ensure adherence to safety standards, correct formwork and scaffolding applications, as well as for the cleaning and maintenance of those.



# FORMWORKS ADVANTAGES

## Wide Range of Options

- **More Options:** We have international systems engineered and made by top global formwork and scaffolding pioneers and experts.
- **More Applications:** We rely on these systems for the following applications:
  - Formworks
  - Scaffolding
  - Falseworks
  - Temporary Facility
  - Fall Protection Equipment

## Higher Productivity Rate

- **Less Waste:** The use of wood-free composite formwork systems guarantee less waste.
- **Less Manpower:** The implementation of modern and advanced formwork systems applications significantly reduces the needed workforce.
- **Less Time:** Megawide's value formwork engineering expertise ensures faster construction time by reducing the pre-planned typical floor plan cycle, resulting to shorter project duration.

## Cost-efficient

- **Data-driven:** Clients are provided with cost control analysis and a range of formwork options at competitive rates.
- **Reusable:** Megawide Formworks, with its special wood-free Alkus sheeting, can be reused 1000 times.
- **Repairable:** Megawide has the facility, resources, and expertise to clean, repair, and maintain its formwork and scaffolding equipment, enabling its immediate reutilization.

# SERVICES

MAC System w/ Mammut Panel Inside



Shearwall/ Bearing Wall/ Corewall Formwork



Temporary facilities: Container Vans, Barracks, Site Offices, and Toilets



Fall Protection and Safety Systems and Solutions



Equipment maintenance and refurbishment for purchased formworks: Megawide has a 2,400 m<sup>2</sup> Formworks Regeneration Facility



On-site Cleaning Services / Mobile Cleaning

# Construction Equipment, Logistics, And Services (CELS)

## Bringing Innovative And Effective Solutions

### Megawide and its Construction Equipment, Logistics, and Services

Megawide has its own extensive roster of modern, state-of-the-art construction equipment, material handling equipment, earth moving, transport vehicles, and concrete delivery equipment. These world-class construction machineries allow for maximum efficiency and minimum downtime in construction for partner developers. The company also leases its equipment independently, so that more projects can experience the Megawide standard of excellence.

### Megawide CELS Services

Megawide's CELS unit ensures the best quality and the most efficient construction equipment and services from start to finish.

- **Equipment Rental**
- **Transport and Logistics**
- **Sale of Used Quality Equipment**
- **Groundworks**



# CELS ADVANTAGES

## World-class Equipment

- The extensive fleet of brand new machinery is regularly checked and certified for quality
- Machines are from top-of-the-line European and Japanese brands
- All equipment and machineries undergo consistent testing at the Taytay Testing Site

## Tech-Driven Innovation

- The transportation fleet is equipped with GPS and RFID system to track motorpool location and fuel efficiency
- The transport and equipment warehouse has a barcode system for all materials and equipment

## Seamless and Efficient Service

- Assured safety: Pre-deployment ESO or Equipment Safety Orientation is required for all operators and supervisors, whether in-house or external
- Quick client feedback: Equipment is delivered within 36 hours after the placement of job order
- Expertly trained in-house trainers and operators are either TESDA NC I- or NC II-certified

## End-to-end transportation

- Trucks



## Services

- Groundworks
- Training



## Equipment

- Vertical
- Earthmoving
- Heavy lifting
- Tower & Crawler Cranes
- Generators



# MEGAWIDE INDUSTRIAL COMPLEX

## TAYTAY, RIZAL



PRECAST STOCK YARD



**BATCHING PLANT**

**WAREHOUSE**

**MOTOR POOL &  
TRAINING CENTER**

**PRECAST FACTORY**

**FORMWORKS STORAGE &  
SERVICE CENTER**





# PROJECT HIGHLIGHTS

**Mactan-Cebu International Airport**

**Parañaque Integrated  
Terminal Exchange**

# Mactan-Cebu International Airport (MCIA)

## Precast

- Used precast as dead forms for the link bridge



## Batching Plant

- 24/7 supply of quality concrete
- Supplied temperature-controlled PQC concrete for the taxiways
- Supplied precast concrete for the link bridge



## Formworks

- Used the specially-fabricated ES Circular Column, STAFLEX Scaffolding System, MEVA Startec Panel System, and Doka Floor Prop System



## CELS

- Provided static tower cranes with on-chassis configurator
- Provided knuckle boom trucks



# Parañaque Integrated Terminal Exchange (PITX)

## Precast

- Used pigmented textured external walls, half slabs, plan external walls, and precast stairs



## Batching Plant

- 24/7 supply of quality concrete



## Formworks

- Used the specially-fabricated ES Circular Column, M-350 Galvanized Column Panel, Doka Load-bearing System, Doka Floor Prop System, and Alufix Panel System



## CELS

- Excavation works
- Provided 8 tower cranes of 18-ton capacity each
- Provided concrete pumps, elevator hoists, generator sets, forklifts, and skid loaders





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