AG&P's World-Class Manufacturing Facilities

Construction credentials:

AG&P ranks as one of the top construction companies globally:

- World's best safety record, maintaining the highest standards of HSE excellence
- AAAA contractors' license from Philippine Contractors Accreditation Board
- ISO 9001, ISO 14001 and OHSAS 18001 plus ASME 'S' and 'U' Stamps and National Board 'R' and 'NB' Stamps
- Electrical and instrumentation
- Best sea access for delivery of equipment and modules
- Committed to the health and safety of every worker

Located south of Manila, Philippines, AG&P's manufacturing facilities have grown from a single, 40-hectare yard to two self-functioning yards totaling 150 hectares, each with its own deep-water port. AG&P has invested heavily in its facilities to make them one of the industry's best, with advanced technologies, equipment and state-of-the-art production shops operating highly advanced automation throughout the manufacturing process. This ensures reliable and efficient 24/7 production, year-round.

Following upgrades and modernization, the facility can produce up to 60,000 tons of fabricated steel and 600,000 dia-inches of fabricated piping, delivering up to 125,000 tons of assembled modules annually.

Yard 1

San Roque, Bauan, Batangas, Philippines

AG&P's Yard 1 is a world-class 100-hectare manufacturing facility with designated areas for assembly, as well as shops for fabrication.

SPECIFICATIONS
53,300m^2 covered area (shops, buildings, warehouses)
170,000m^2 open field materials stockyard
260,000m^2 open field heavy modularization area
4,950m^2 blasting and painting area
Up to 50MT/m^2 capacity soil load-bearing capacity
250m (l) x 30m (w) of cellular-piled marine bulkhead
Approximately 1,000m along east-west shoreline of the sheltered Batangas Bay with water depth between 9.7m and 10.7m and only 1m of tidal change
Can dock two 30,000dwt vessels at a time; no limit on barge size

Yard 2

PPA, Batangas City, Philippines

AG&P's Yard 2 is a 50-hectare, gold-standard, waterfront property within the Philippine Ports Authority (PPA) site, Batangas, located 8.7 kilometers from AG&P's Yard 1 by land and 6.8 kilometers by sea. While Yard 1 is owned by AG&P, Yard 2 is leased from the PPA.

SPECIFICATIONS	
30,000m² covered area (shops, buildings, warehouses)	30-35MT/m² soil load-bearing capacity
27,700m² open field materials stockyard	450m (l) x 40m (w) of marine bulkhead
287,300m² open field heavy assembly area	Existing concrete roads inside the facility
1,980m² blasting and painting area	

Because of its strategic location with the PPA site, AG&P is able to access its specialist facilities for projects including:

GENERAL CARGO BERTH AREA		
1 foreign general cargo berth (185m long) 1 multi-purpose berth (230m long)	Wharf (450m long)	RoRo berth/ramp, pier type (5m deep) RoRo berths/ramp, wharf type (5m deep)
Domestic general cargo berths (470m long) 1 ferry berth with 3 RoRo ramps (124m long)	Foreign general cargo berth (10m deep)	Fast craft berths (4m deep)
RoRo berths/ramps, pier type 2 RoRo berths/ramps, wharf type	Multi-purpose berth (10m deep)	Container crane
7 fast craft berths (4-70m long, 2-75m long, 1-20m long)	Domestic general cargo berths (7.3m deep) Ferry berth with 3 RoRo ramps (4m deep)	Quayside crane

At the heart of AG&P's manufacturing process is a streamlined production system that maximizes efficiencies and minimizes the risk of cost and schedule overruns on construction and fabrication projects. The state-of-the-art fabrication systems comprise multiple automated processing lines for efficient structural steel fabrication including beam coping, cutting and drilling for onshore and offshore infrastructure and separate lines for angles, plates and structural pipes.

The CNC plate cutting processes are executed with oxy/gas, plasma and laser technologies, covering material thicknesses of 0.5mm to 150mm for a wide range of carbon steel and alloys. Each processing line consists of automated and semi-automated machinery integrated with PLC-controlled material handling and conveying systems to eliminate double handling activities.

At the same time, piping fabrication is also fully automated from the root pass to cap welding via three processing lines. Two lines are used to fabricate carbon steel pipes with diameters ranging from 80mm to 1,200mm while the third line handles stainless steel and exotic materials with diameters ranging from 100mm to 610mm.

The entire fabrication process, whether structural or piping, is controlled by the latest governing software that utilizes information automatically generated from engineering's 3D model to command a series of CNC machines, with capacity of 80mm to 1,200mm in width and 12m in length, and their related material handling and conveying systems.

Barcoding is employed throughout the manufacturing process for accurate material traceability and progress reporting. Barcoding provides AG&P with stronger control and management of the manufacturing process, ensuring materials are fabricated in the correct sequence according to the project schedule and bottlenecks are prevented. This streamlined production process allows AG&P to reduce man-hours, increase productivity and lower costs for customers.



For more information, visit **www.agp.ph**

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