



FAB SHOP

F A C T S H E E T

Overview of Fabrication Operations

KAYA's Fabrication Facility located in North Charleston, SC provides a full-service custom fabrication and manufacturing center for all the needs of our DoD and Commercial customers. Our Fabrication Team has extensive experience and capabilities to provide a wide range of design, development, fabrication and installation services that covers projects from initial concept to delivery and/ or physical installation. Our products include towers, platforms, radome rings, metal cabinetry, panels, custom mounts and a full line of marine products, such as gangways, ramps, floating docks, polling platforms and T-Tops. We have on-site capability for form, fit, and function acceptance procedures to ensure that your product is installed and fully functional at the outset.

To ensure the highest quality of services and products, we are guided by ISO 9001:2008 standards and are currently pursuing certification.

Representative Projects

Below are examples of custom towers we have fabricated for our customers. The following page showcases a selection of custom marine products we produce.



AN/TPS-75 D3 55' Air search radar tower/platform



80' communications tower (available up to 100')



Ground Based Sense and Avoid (GBSAA) radar towers (up to 150')



Fabrication and Manufacturing Equipment

- A Flow I-6012 IFB Waterjet Cutting System, with the capability to cut material up to 6" thick in a 6' x 12' work envelope maintaining a linear positional accuracy of +/- 0.003 in. and a repeatability of +/- 0.002 in.
- 10' – 125-ton CNC hydraulic press brake, with multiple punches and dies to satisfy a wide range of bending needs
- 10' x 3/8" plate shear
- 65-ton ironworker
- 3-axis CNC milling machine
- Marine Crowner for pipe up to 2-1/2"

Welding capabilities

Multi-process Certified Welders, all positions, unlimited thicknesses:

- TIG (GTAW)
- MIG (GMAW)
- Stick (SMAW)
- Flux Cored (FCAW)



Gangway with ramps (custom sizes)



T-Tops



12' X 34' floating dock

