

Openex: Your Partner for Heavy Fabrication with ASME & API Certifications



Xiamen, Fujian Dec 15, 2025 ([Issuewire.com](https://www.issuewire.com)) - Fabrication of heavy components can be a risky endeavor in the world of industrial manufacturing. The integrity of these components is critical, as it directly impacts safety, operational efficiency and the bottom line. Project managers and procurement experts are always on the lookout for partners who can meet these requirements. **Reliable Heavy Metal Fabrication Company in China** that has world-class certifications is invaluable. [Openex](#) is a leader in this field. Its reputation is built on more than just capabilities; it's based on trust, backed up by a commitment of the most stringent standards including ASME and API.

Why Certifications are Important in Heavy Fabrication?

Modern heavy fabrication is more than just cutting and welding. Engineering solutions are needed for a global market that is highly regulated and constantly evolving. Oil and gas, chemical processing, and power generation are all under pressure to maintain safety and compliance. This has led to an industry trend that is a major one: the consolidation and inclusion of only the best-qualified partners in supply chains.

Two of the most respected organizations in the world are at the forefront of this movement: The American Society of Mechanical Engineers and the American Petroleum Institute.

ASME is the American Society of Mechanical Engineers. Known as its Boiler and Pressure Vessel Code, ASME sets standards for designing, manufacturing, and inspecting pressure vessel, boilers, and

critical components. A fabricator's ASME certification is an important statement. This certification confirms that a company's quality control and manufacturing processes meet internationally recognized standards for safety and reliability. This means that clients can be confident that their components will remain safe even under extreme temperatures and pressures, thus reducing their risks and simplifying the regulatory burden.

API: API is the global leader for setting standards in the oil and gas industry. API certification ensures equipment used in exploration, production, and distribution are safe, reliable and consistent. API standards include everything from drilling equipment to subsea gear and offshore structures. Compliance with API specifications ensures that heavy fabricators can produce components that are able to withstand the harsh, corrosive conditions of oil fields and deep sea operations. This certification is vital because it gives clients confidence that their equipment will work as intended, minimizing the chance of catastrophic failures and costly downtime.

These certifications represent more than just a stamp of approval. They are proof that a fabricator has invested in the latest technology, highly-skilled personnel, and an effective quality management system. These certifications are a sign that a company is choosing a low-risk and reliable partner for custom heavy fabrication.

Openex - Your Certified Partner in Heavy Metal Fabrication

Openex has strategically positioned themselves as a partner who understands and lives these principles. The company is a one-stop shop that offers a wide range of services, eliminating the need to coordinate multiple vendors. Openex manages the entire project cycle, including large machining, cutting, as well as rolling, punching, press braking, and then, welding, machining, even include assembling

Openex's impressive technology and scale are the foundation of its capabilities. **More than 1,000 advanced facilities** allow them to take on even the largest projects. The state-of-the-art equipment is at the heart of their quality assurance, which allows for precision and repeatability. The plate rolling department can, for instance, cold roll plates as large as **5000mm width** or **200mm in thickness**. Press braking can also handle materials up to **100mm**. This is a huge advantage for clients who need large components.

Case Studies and Diverse Applications

Openex's certifications and expertise are used in a variety of industries to solve complex challenges.

Oil & Gas and Chemical Process: An important client in the oil and chemical sector required a large number of custom-made pressure vessels to be used for a refinery project. To ensure safety and integrity, the components needed to meet ASME and API standards. Openex's team of certified professionals handled the project from the material selection through to the fabrication and testing. The components were delivered with full certification and traceability. The client could seamlessly integrate the vessels in their project, knowing that they were compliant and of high quality.

Power Generating: An important power plant manufacturer needed a complex set turbine casings, and structural supports to build a new facility. These components needed to be able to withstand extreme temperatures and stress. Openex's comprehensive services enabled them to manufacture, fabricate and assemble these components with precision. Openex was able to complete the project to specification, demonstrating its ability to handle high-value, critical components in the energy sector.

Heavy Construction and Mining: Openex, a global heavy equipment manufacturer was asked to fabricate oversized frames and swivel booms for the next generation of mining excavators. The components had to be extremely strong and accurate in dimensions to withstand the demands of mining operations. Openex's expertise in welding and working with large-scale materials ensured that the end product was durable, but also perfectly aligned. This reduced assembly time for the customer.

Subsea and Marine: In addition to heavy fabrication for the offshore platform industry and large hull sections, Openex offers services in the marine sector. Recent work involved the fabrication of structural modules to support a new installation subsea. To ensure that the components would withstand high pressures, saltwater environments and strict welding standards, the work required a very high level of accuracy and strict adherence. Openex met the project's requirements on all fronts.

Openex is a leader in the heavy fabrication industry and a trusted partner for clients worldwide. In a world of earned trust, Openex has not only proven its ability to complete the most challenging projects, but also validated that capability by obtaining certifications from ASME and API. Openex's commitment to excellence has made them a leader in [Professional Heavy Fabrication Supplier](#), and a trusted business partner for clients around the world.

Openex has an official website where you can learn more about the services and capabilities they offer.

Official Website: <https://www.cncmetalworking.com/>

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