

## **Training Course – Fabrication**

**Duration: 6 weeks**

1. Use flame cutting equipment safely and correctly.
2. Use MMA and MIG welding equipment safely and correctly to tack weld components.
3. Mount and safely use abrasive wheels.
4. Safely and correctly use a range of forming machines including rolling, bending, cutting, punching, etc.
5. Use various methods of marking out.
6. Use a variety of hand tools and simple measuring and marking out equipment.
7. Draw first, third and orthographic projections.
8. Understand site plans, building plans, layout drawing and isometric sketches.
9. Safely use and take care of lifting equipment.
10. Use lifting fabrications safely and correctly.

## **Action Plan – Fabrication**

- Lay out, cut, thread, fabricate, and install critical piping systems using a wide range of professional power tools and equipment.
- Use pressure gauges and hydrostatic and radiographic testing to inspect, examine, and test pipe line systems.
- Solve complex problems using reasoning and advanced math to assemble and install advanced pipe systems, pipe supports, hydraulic and pneumatic equipment.