

De-Magnetization on Pipelines

Avoid costly time and labor overruns associated with:

- Trial and error methods that can take hours or days to make the root pass
- PIGs leaving significant amounts of residual magnetism behind
- Regulatory requirements increasing the frequency of inspections
- Burning out welding equipment and/or cables trying to overcome magnetism

Eliminating arc blow

Magnetic Arc Blow can cause welding to be impossible. When residual magnetism exists in the pipes, it causes the current to be directed away from the weld, the weld material sputters and the joint can't be welded.

Reducing defects

Due to the sputtering of the weld material in the magnetic joint, incomplete fusion of the metal occurs. This leads to porous welds which leads to a loss of weld quality. The defects can be noticed by inspectors and through weld x-rays.

Eliminating delays

When weld quality fails inspection, the joint must be ground out and welded again. This leads to project delays, cost overruns, as well as welder frustration and fatigue.

Shaw Pipeline Services works side-by-side with welders to solve your magnetism problems. Using our dedicated pipeline demagnetizer, we dramatically reduce joint time and relieve the frustration involved in welding magnetized material. Using SPS services also saves your welding equipment from breaking down caused by overuse and overheating while trying to limit the magnetism with welding cables.

