

UNDERWATER WELDING

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ABSTRACT

This paper enlightens about the use of varied, exaggerated & intensive manufacturing tool “welding” under the water, which was formerly just used in the atmospheric fabrication works only. By the advent of special waterproof electrodes, the engineers proved to the world that one can also perform all the welding operations in the presence & continuous water. It also laid to repair or sometimes to replace the underwater structures, offshore structures which may get fail soon at the deeper water level. It also encompassed the use of various underwater welding techniques & some other new technologies which are emerging up in the field of underwater welding like: Automation welding.

KEYWORDS: Underwater Welding, Emergency Repair Works, Types, Principle of Operation, Techniques of Performing the Underwater Weldments, Inspection Techniques, Future Scope, and New Emerging Technologies