

## **Submerged Arc Welding**

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Submerged arc welding will be the focus of my poster. There are many details and factors to consider when deciding on the weld practice to employ on a major welding project. The correct weld wire and flux to use on a submerged arc welding application is key to a quality and successful weld, not to mention feed rates and amperage settings. Due to the variety of material and applications that submerged arc welding can be applied to, I have decided to focus on the speed and cost advantages to using submerged arc welding versus conventional welding practices when submerged arc welding is practical. As with any industry, there are limits and practical uses for specialized practices such as submerged arc welding. I will display charts and graphs that will illustrate a practical application of submerged arc welding versus a conventional method. My poster will also display a cost per pound of weld applied with submerged arc welding versus other techniques when there is a large welding project to be completed. In short, my poster should give the viewer a good understanding of practical and cost-saving applications for submerged arc welding.