



AGE Project – Automation of the Construction and Installation of Large Scale Industrial Reservoirs

Motivation

Oil reservoir is mainly assembled manually. The growing demand of this equipment requires the application of automation technologies to reduce the lead time manufacturing process.

Objective

Development of a high innovative process through automatic align with industrial robots using a programming called cooperative movement, which is not common in Brazil.

Approach

The project previses the use of metrological systems for large structures, like Indoor GPS or photogrammetry. The first approaches consist in applying industrial robots in an automatic process to align middle size steel sheets in order to start the welding process with another robot.



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