USE CASE /

Assembly

AR-assisted assembly supports users in accomplishing manufacturing activities and product assembly processes, by augmenting key workflows and procedures using, where possible, existing technical publication repositories.

AR Technologies

AR-assisted assembly uses any technology for authoring, detection, recognition and rendering. Display options for AR-assisted assembly that permit the operator to use both hands are preferred if the assembly tasks or processes require use of hands. The user interface for AR-assisted assembly can be speech recognition, gesture recognition, eye-gaze recognition or touchscreen.

Integration of assembly using Augmented Reality into workflow technologies and systems is highly desirable.

Organizations

Manufacturing organizations operating in industries such as automotive & heavy equipment, electronics, defense, aerospace, telecommunications, power & automation, energy & resource, naval engineering.

Users

Assembly line workers who manufacture machinery, equipment, and other products.

Example Scenarios

- Perforation of steel plates in preparation for assembly
- Positioning and attachment of wire harness
- Welding of two or more parts in specific angles

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