

CASE STUDY

Industrial CNC drilling machine automation





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Overview

Industry operator can control and automate drilling machine functions through HMI panel. Operator can set drilling coordinates, monitor the activity through HMI standalone application.







Region
Europe



Industry
Ai & ML

Use cases

-  Operator can select make and part number of the machine, set the coordinates, upload the files through settings.
-  Operator can upload the functionality code of the machine activity and monitor the operation and activity through HMI panel.
-  Operator can take measurements and get coordinates in 3 axis to decide drilling area.
-  Functionality codes can be uploaded through Wi-Fi.





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Development insights



We developed frontend of the standalone HMI application with the help of HTML, CSS and JavaScript.



Backend is developed with flask - python based application framework.



We automate the operations and control the drilling machine with help of Raspberry Pi.

Technology used

