

ABB Network Management Customizable Interaction Device

ABB is a global leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. ABB AB consists of five divisions, Power Products, Power Systems, Automation Products, Process Automation, and Robotics. The ABB Group of companies operates in around 100 countries and employs about 120,000 people.

Thesis Background

Network Management, one of the business units in Power Systems, develops the software product Network Manager (NM) which is a control center solution for large electrical and gas systems.

Operators working with a Control System like Network Manager have to react very quickly to certain situations, monitor values, and perform actions. For above reasons and more it would be very beneficial to have an operator customizable interaction device next to the mouse and keyboard. The customizable interaction device would be a touch screen that works together with the control system, it should support features such as presenting important information, create shortcuts, and so on.

Thesis Goal

The goal of the thesis is to implement a customizable interface on a touch screen that is both easy to use and can interact with the Control System, Network Manager.

Requested Competence

- **M.Sc in Human Machine Interaction** with a deep knowledge of Computing Science or
- **M.Sc in Computing Science** with interest and knowledge about Human Machine Interaction
- Good knowledge in C#, and WPF
- Independent, outgoing, ambitious, and goal-oriented are qualities we are looking for

Required Scope: 2 * 30 ECTS (D-Level)

Last Day to Apply: 2009.12.27

Register your CV in our Master Thesis database in the Student page at www.abb.se/jobb. Tag your CV with the exact text "ABB MT 02" in the free text field "Freely describe yourself ..." in the end of the application form. Please enclose CV, cover letter, and grades.

Preferred Start Date: Beginning 2010



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