

Automation Implementation Description

AS-0.2230 Automaatio- ja systeemiteknikan laboratoriöt
Työ 14

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1 Version history

24.8.2009	Created this document, added up to date pictures of all the control programs and SCADA screens	AK
28.8.2009	Added the sequence control implementation	AK

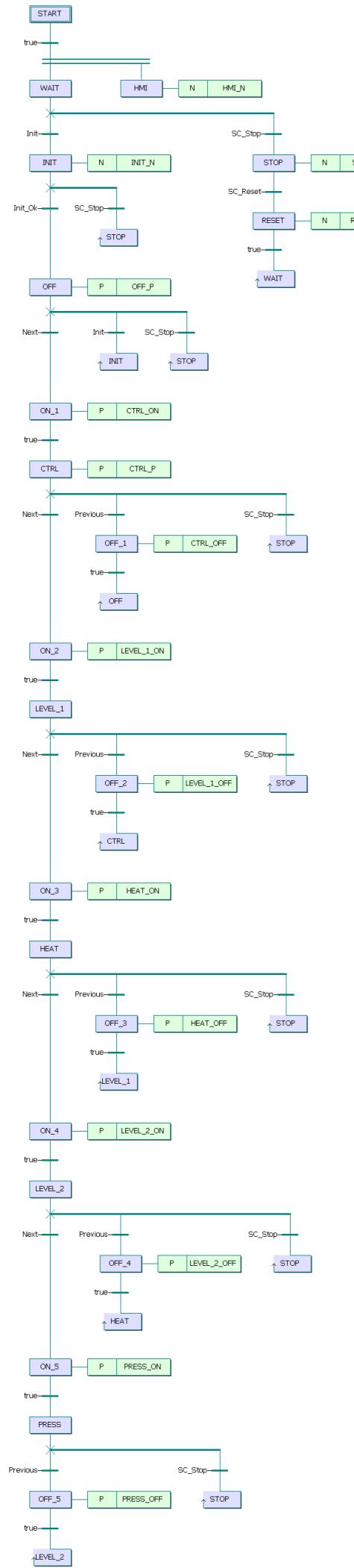
2 About this document

This document illustrates the control circuits and SCADA screens which implement the automation requirements defined in the Automation Requirements – document. This is not a full documentation of the programs, as it is designed to be used mainly for reference and overview purposes.

3 Program implementations

3.1 Sequence program

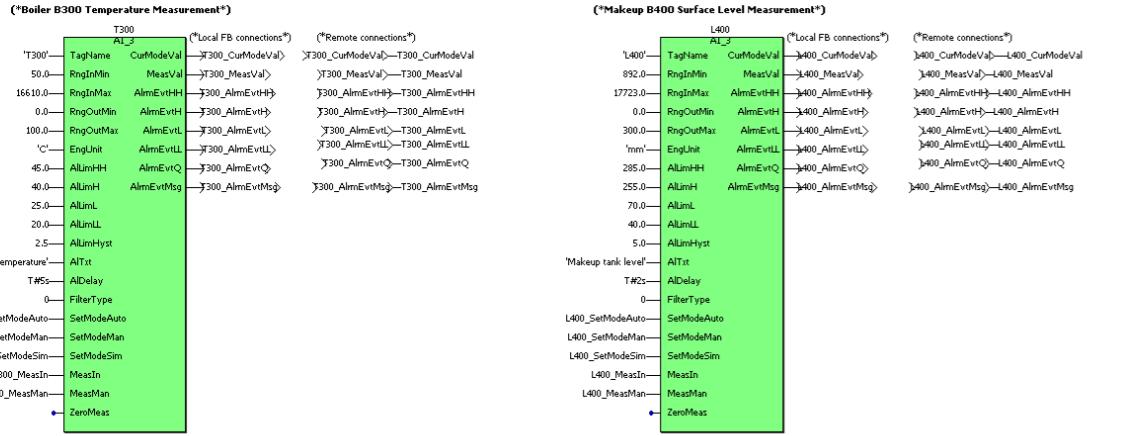
Program: SEQUENCE
Date: 24.8.2009



3.2 Generic measurement program

Program: GENMEASPROG

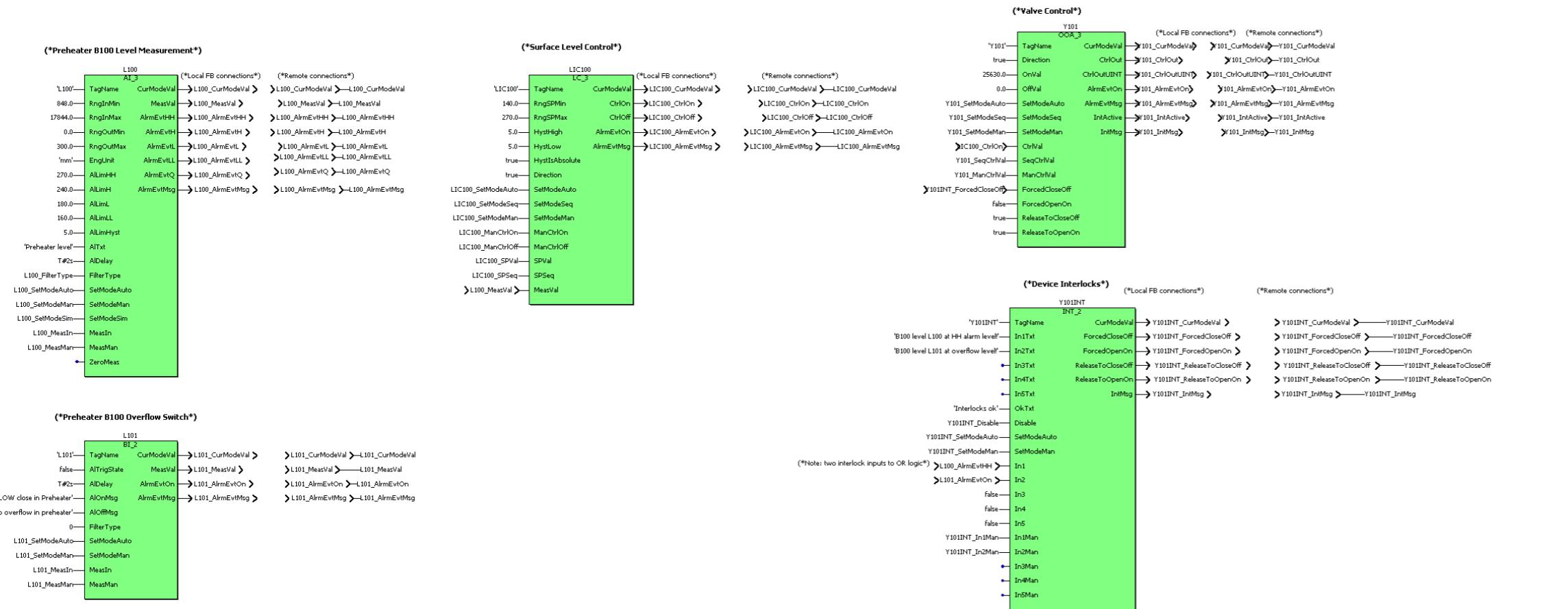
Date: 24.8.2009



3.3 LIC100 program

Program: LIC100PROG

Date: 24.8.2009



3.4 TIC100 program

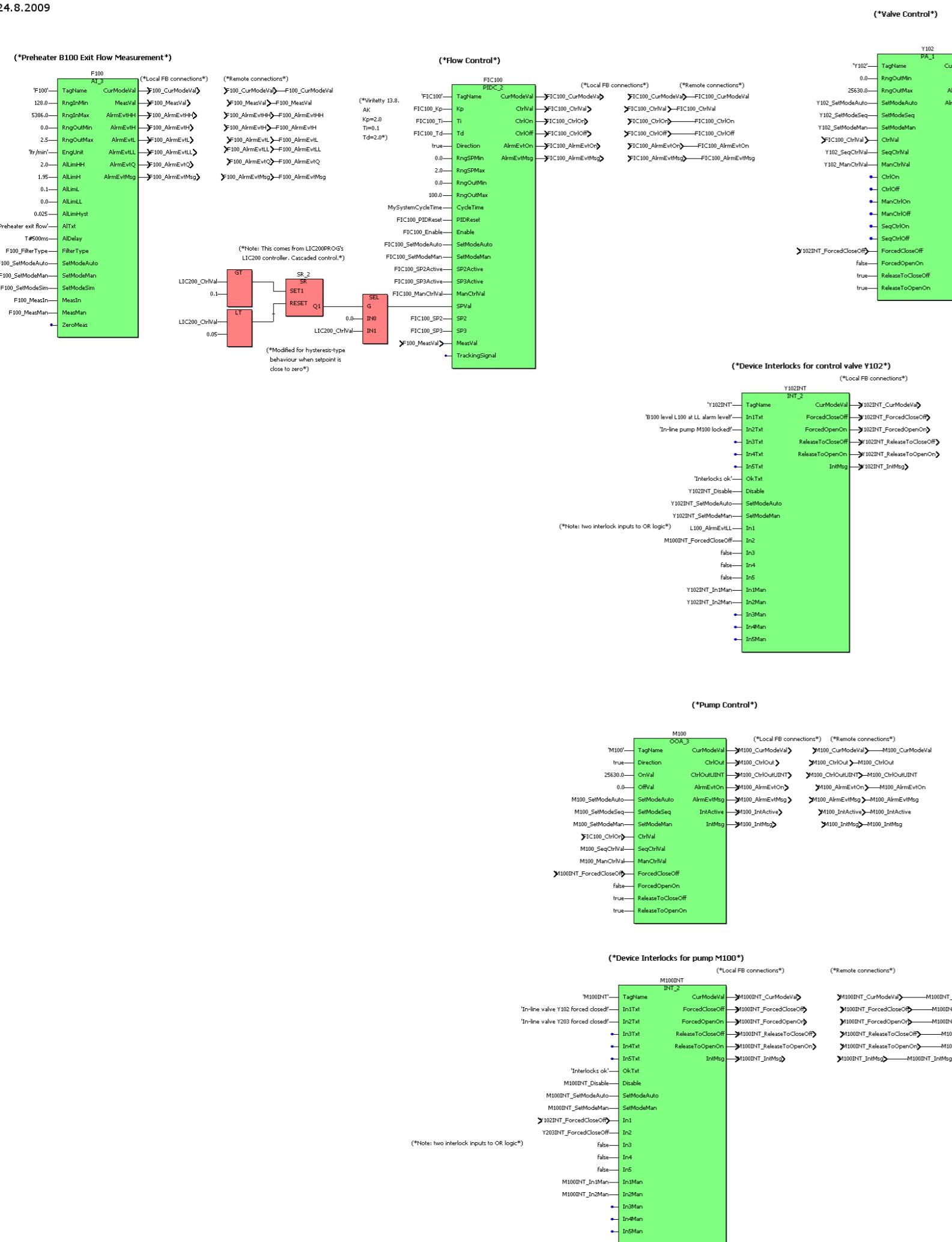
Program: TIC100PROG
Date: 24.8.2009



3.5 FIC100 program

Program: FIC100PROG

Date: 24.8.2009



3.6 LIC200 program

Program: LIC200PROG

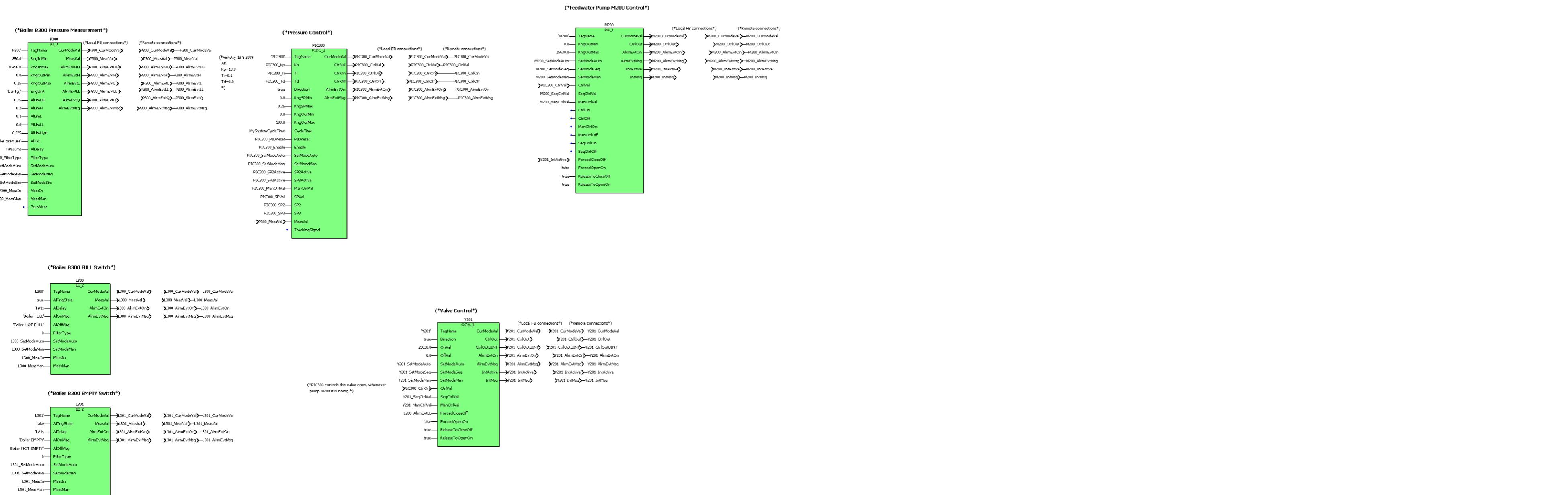
Date: 24.8.2009



3.7 PIC300 program

Program: PIC300PROG

Date: 24.8.2009



3.8 Generic actuator program

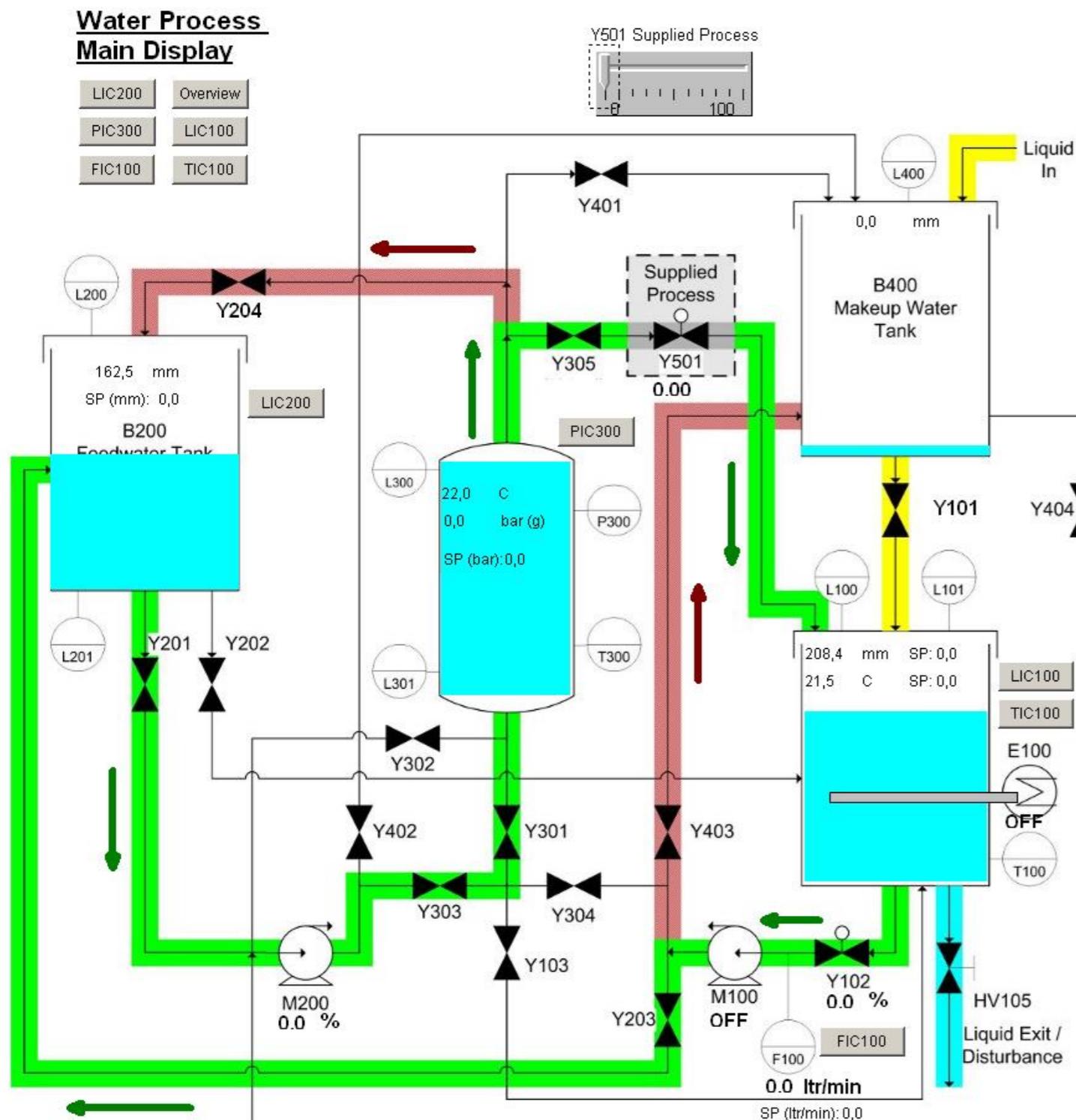
Program: GENACTPROG
Date: 24.8.2009



4 SCADA screens

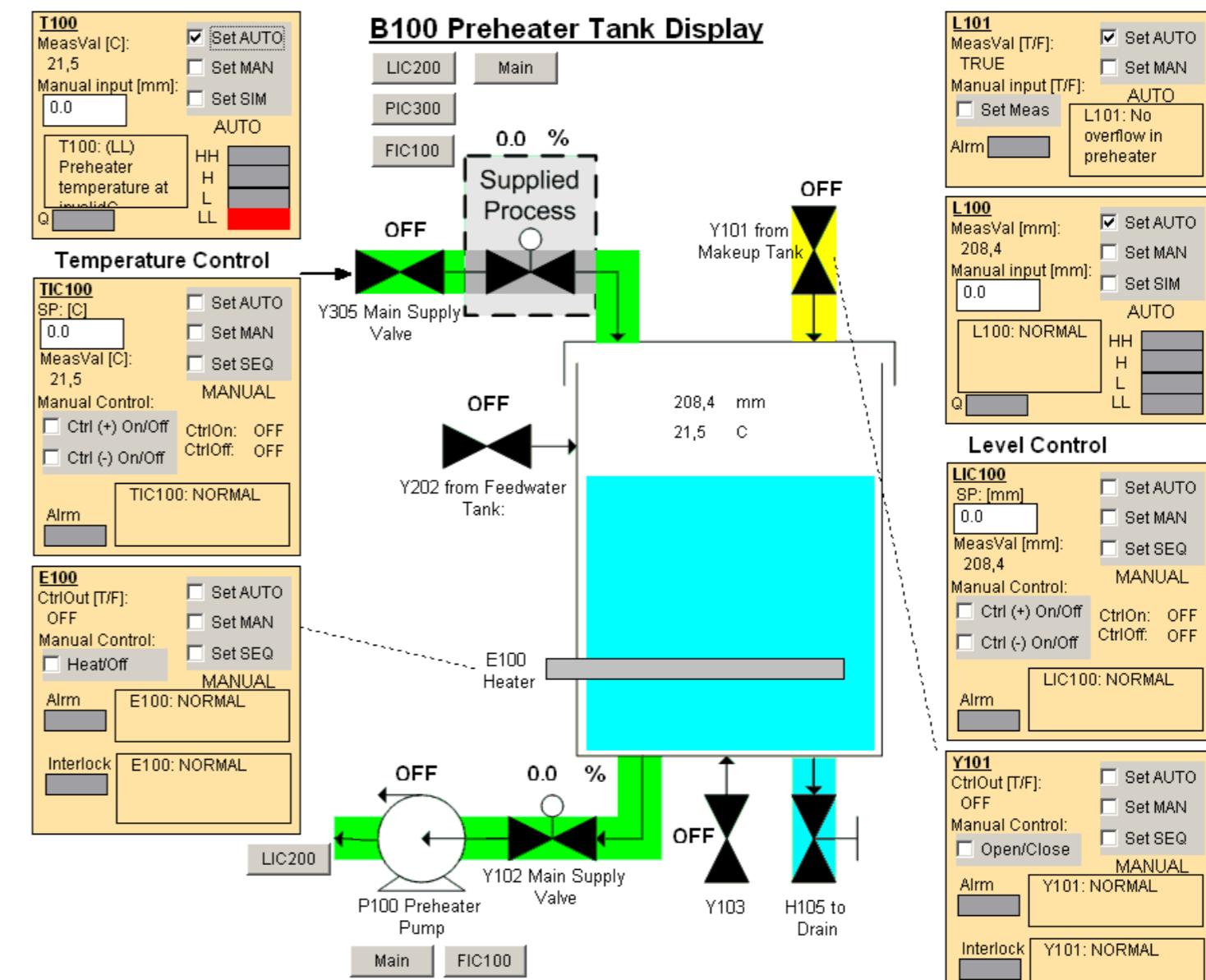
4.1 Main screen

Screen: Main
Date: 24.8.2009



4.2 Preheater tank screen

Screen: Preheater
Date: 24.8.2009

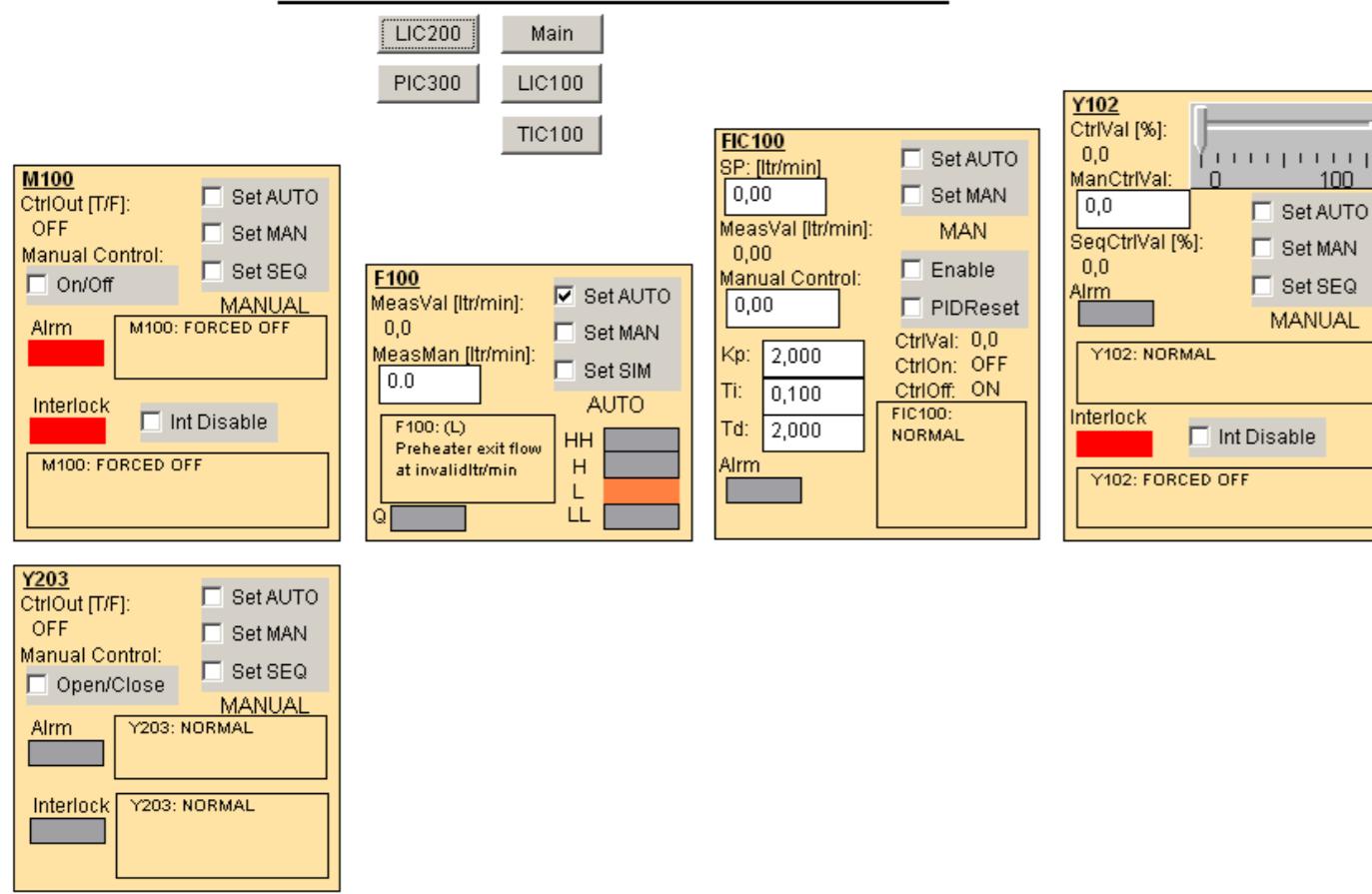


4.3 FIC100 screen

Screen: FIC100

Date: 24.8.2009

B100 Preheater Exit Flow Control FIC100

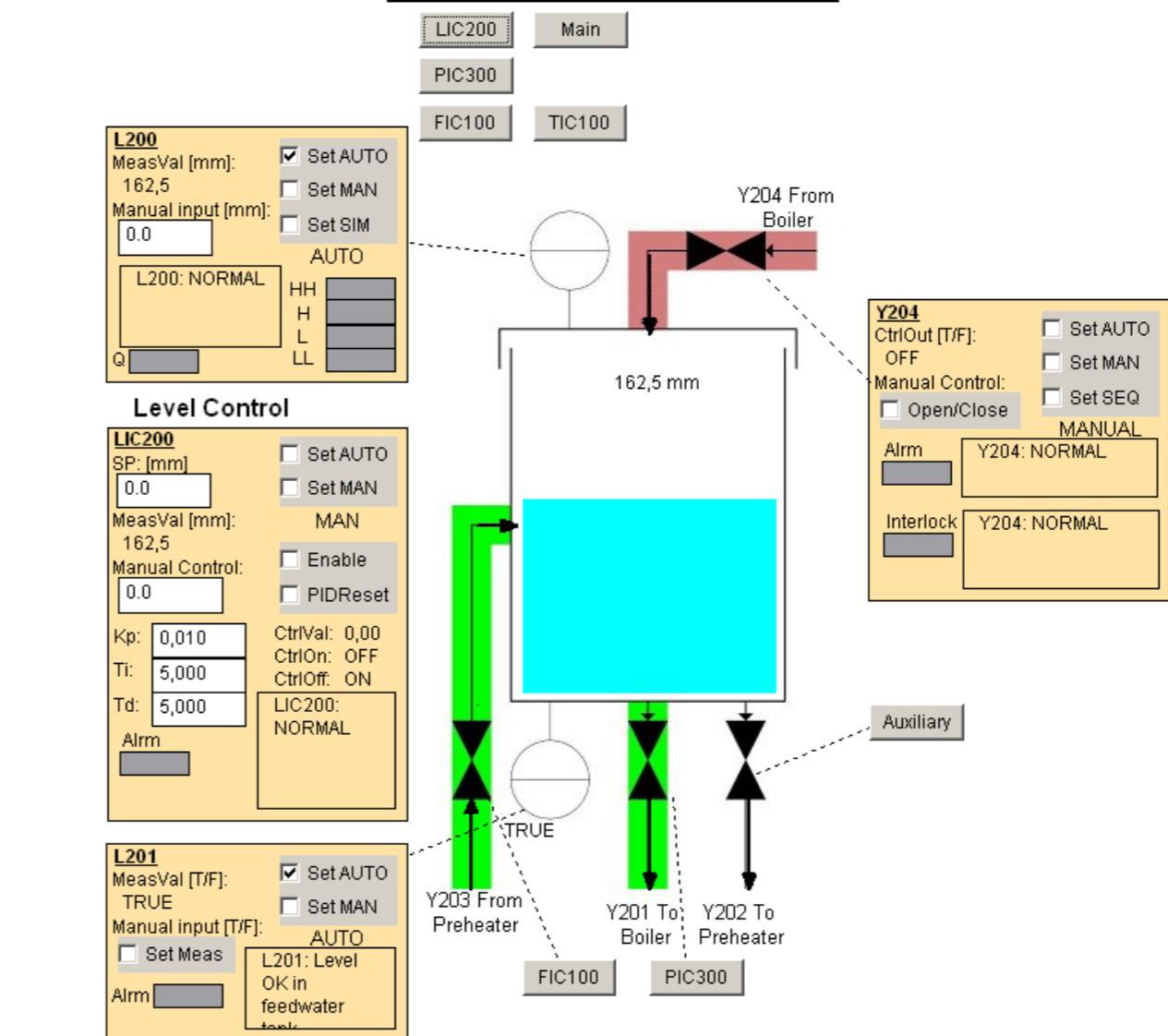


4.4 Feedwater tank screen

Screen: Feedwater

Date: 24.8.2009

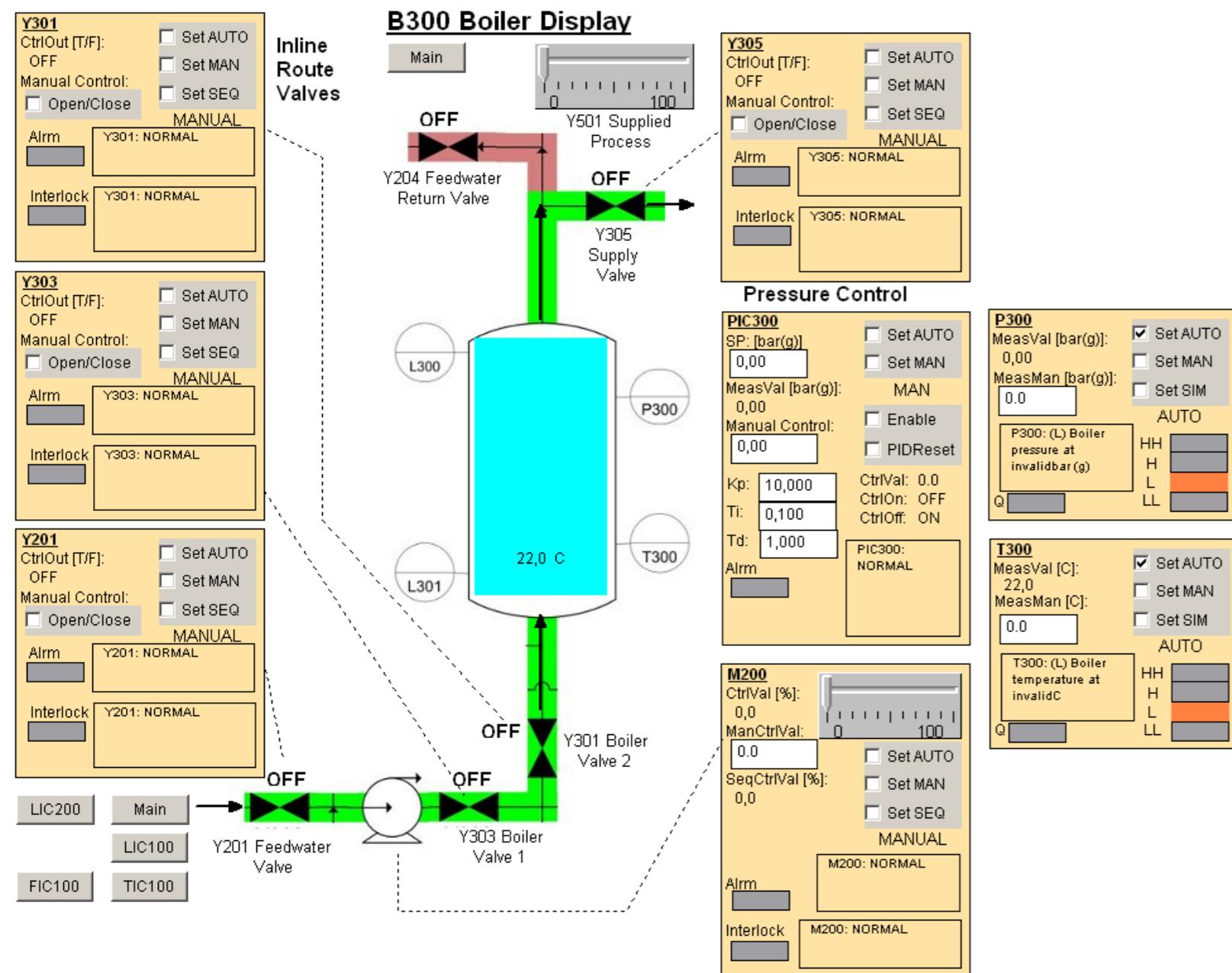
B200 Feedwater Tank Display



4.5 Boiler tank screen

Screen: Boiler

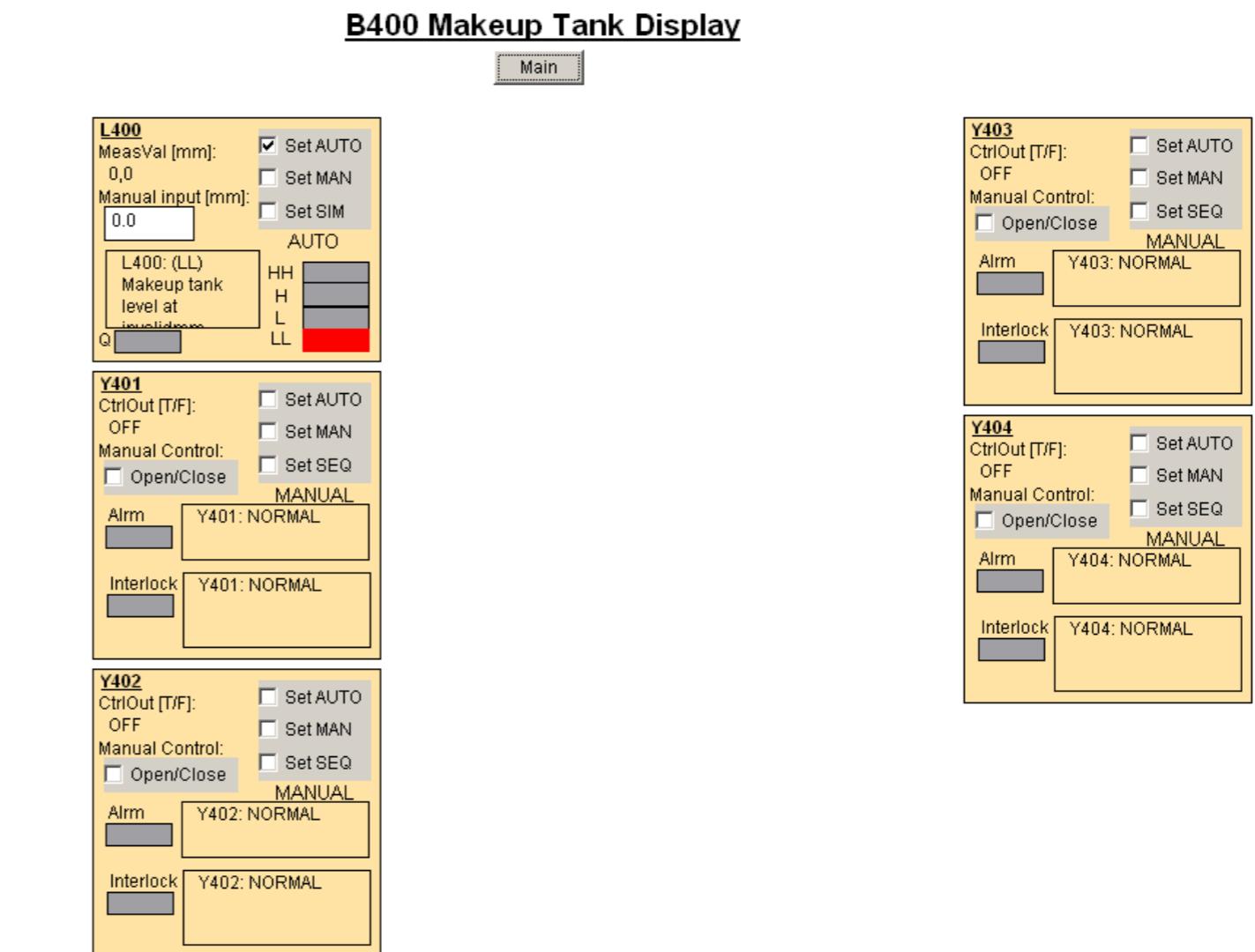
Date: 24.8.2009



4.6 Makeup water tank screen

Screen: Makeup

Date: 24.8.2009

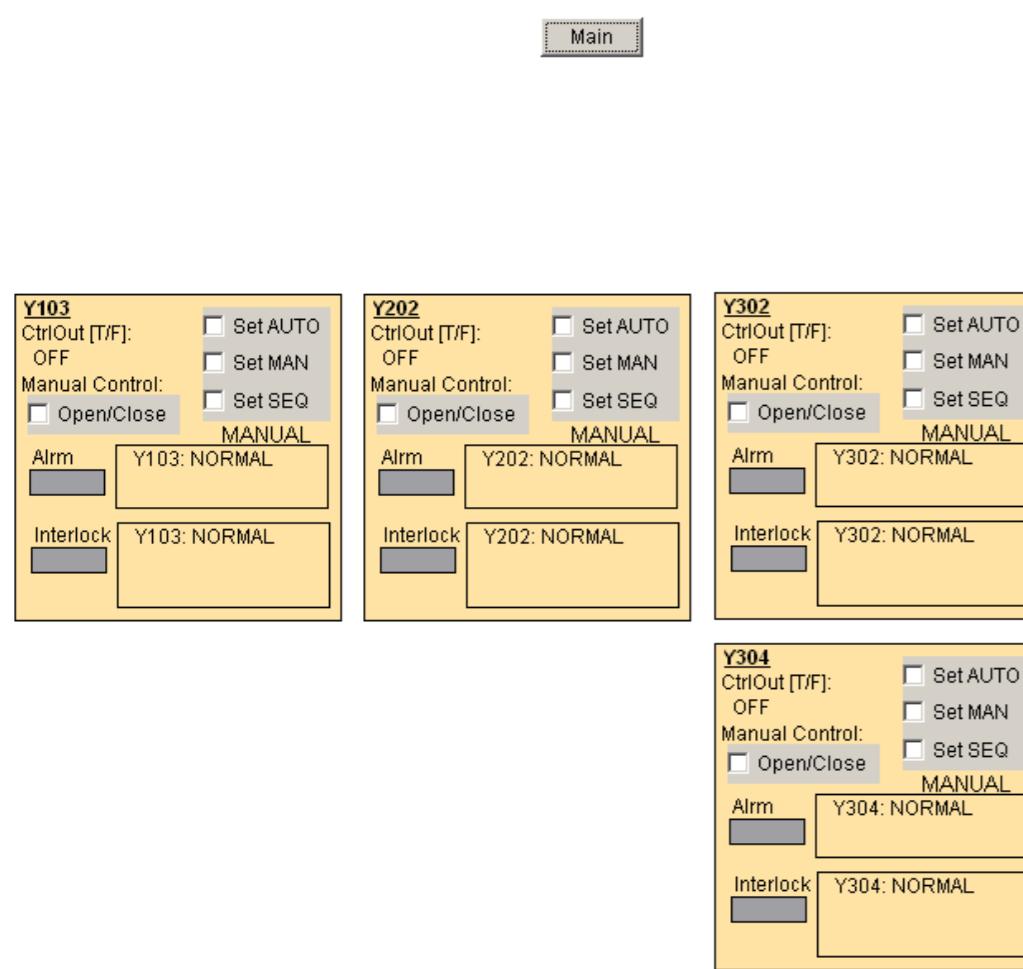


4.7 Auxiliary equipment screen

Screen: AuxiliaryEq

Date: 24.8.2009

B100 Auxiliary Equipment



4.8 Process overview screen

Screen: Overview

Date: 24.8.2009

Process Overview

