Redesign of alarm monitoring system application `BeamlineAlarminfoClient`.

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INTRODUCTION

GUI functionality of BeamlineAlarminfoClient

- mainview
  - menu controls
  - area info
  - mainview image
  - table: alarms in the last 24 hours
  - Breakdown: AlarmViewer & ArchiveViewer

- areaview
  - menu controls
  - area info
  - area plan, toggle icons
  - state: exhaust valve
  - state: magnetic valve
  - state: gas concentration
  - state: exhaust valve
  - state: magnetic valve
  - state: gas concentration
  - state: exhaust valve
  - state: magnetic valve
  - state: gas concentration

- Property contains information about; CDI server state, existing active alarms and a new area alarm info text
- only when a flag is set, the corresponding property is called from the server
- only one callback data link is defined to receive a property labelled `infobyte`
- property contains information about; CDI server state, existing active alarms and a new area alarm info text
- only when a flag is set, the corresponding property is called from the server

PROJECT STATUS

- At the end of this year the goal is to start with the alpha test of this project
- First tests with some parts of server and client, primarily the correct extraction and representing of the alarm states, have already passed successfully
- As long as no new application functionalities are demanded on customer side the project maintenance has been dramatically simplified