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Current uses of CS-Studio at Diamond Light Source

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Diamond Light Source has been adopting CS-Studio for its control interface and eventually intends to replace EDM entirely. At the moment an automated framework for generating Synoptic GUIs for beamlines has been created and has been used to commission Diamond's two newest beamlines, I14 and I21. A description of this framework combined with examples of the GUI layout used with it will be given. A large part of moving from EDM has been the automated conversion process which is designed to produce CS-Studio screens that are visually and functionally identical to our existing EDM screens. As we have around 7000 of these screens the automated conversion is necessary for making the transition, and the familiarity of converted screens will allow the machine operators to continue as usual during the transitional period. The difficulties and our achievements in this process will also be described.

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