

# Considerations on MPSoC-based AMCs for Users and Developers

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In the past years many MPSoC-based AMCs have been released in order to replace old FPGA-based AMC boards. The presence of Processing System and Programmable Logic on the same chip offers the synchrotron users several advantages but it can also hold back the development and operation of new projects due to its complex architecture.

This contribution aims to present some of the many possible features that can be exploited using the MPSoC-based DAMC-FMC2ZUP board by CAEN ELS, especially tailored for synchrotron operations, alongside with our idea of CI/CD development which simplifies build and deployment of firmware and software for MPSoC-based AMCs.

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