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## Integration of Libera Sparks in Elettra Booster BPM

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Elettra Booster is part of the Elettra injection system.

Elettra was originally equipped with an in-house developed BPM system.

After a software and communication update, the old BPM system was reused to control the orbit of the booster machine.

After about ten years, one of the acquisition electronics failed and replacement boards were no longer available.

We replaced the functionality of one of the old BPM crate with 4 Libera Spark.

We describe how we have done this successfully and add some considerations for future in-house developed electronics to be upgradeable and scalable in the years to come.

### Summary

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