The D15.11 – item 2 – Consists in a demonstrator working at the GIF++ of the Augmented Reality software communicating with the GIF DCS application and the tracker of the online monitor. Both online monitoring and DCS are activities external and not controlled by WP15 and the D15.11 milestone was based on the knowledge of the schedule of the online monitoring and DCS development, originally well advanced with respect to D15.11.

At the end of 2018, the online monitoring program was in advanced development but not yet delivered. A temporary absence of the main developer at the beginning of 2019 (based at USTC – China), slowed down the final deployment and delayed our software integration schedule.

The second part of the integration work is based on the DCS software running on the WIN-CC SCADA system, which rely on custom libraries. On this task, we experienced more technical difficulties that initially foreseen to obtain an output from WinCC which can be read by the AR software, typically using a TCP/IP port.

Because of that, there has been no time left (before the expected delivery of the milestone) to tune the preliminary AR software (shown in the previous milestone) on the outputs of the monitoring simulator and the DCS, which are thus not yet integrated in the AR software for the time being.

However, since the work on the two items above is advancing well, it has been estimated that once the communication between monitoring, DCS and AR software are established, the residual work to setup a satisfactory demonstrator can be accomplished by August 2019.