Contribution ID: **76**   Type: **Control Software**

SKA Observatory Management and Control Software: the INAF contribution

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An overview of the contribution given by INAF to the development of the SKAO Observatory Management and Control (OMC) software is given. The staff from three INAF structures (OAA, OAAb and OATs) is mainly involved in the development of the Local Monitoring and Control of the Central Signal Processor (CSP.LMC) and of the UIs generation platform called Taranta, which produces engineering interfaces for the control system. SKAO-OMC software is written in Python and based on TANGO Control, an open-source framework, of which both SKAO and INAF are consortium members. SKAO software development involves researchers and technologists from more than 20 countries and follows a set of organization and workflow patterns structure called SAFe (Scaled Agile Framework). Important activities are also carried out at System-level in supporting the Deployment, the Integration and Testing of the SKA Software. In this framework important tools are the Gitlab CI/CD and Kubernetes for container orchestration.

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