1. DCS Training
2. Advanced Courses for DCS (FMS, Conf Db etc)
3. ELMB Sensors change of limits for the NTC sensors at P5
4. Work on the CMSfwInstallUtils Component
   1. ConfDbChecks which is a panel that can check the consistency/existence of datapoints and datapoint elements between the db and the project
   2. Implemented to check for both the db as reference and project as reference
   3. In the beggining only 3 categories of things were checked (address configuration, alarm conf. and archive conf)
   4. Now it is 9 available configurations + values that can be checked
   5. This is now implemented and working
5. PLT High Voltage Channels Checks
   1. Helped with the development of  a component that was used for the High Voltage checks for the PLT subdetector
6. CMSfwInstallUtils Component
   1. In the panel where the user can save and edit configurations that are going to be saved to the database
   2. Change in the logical view where now the user can select manually which node he/she wants to upload
   3. In the beggining the user could only upload the whole tree and note each node specifically
7. Created Component for the MoxaE1240 hardware
   1. Component that has information about the hardware and allows it to communicate with the Hardware via SNMP communication
8. Compiled the DimBridge for the new version of the Dim protocol which is the "bridge" between CMS and LHC communication
9. Removed non-working Wiener Crates from central\_3 project both dp's and FSM related
10. Implemented a new panel in AlarmScreen of the CMSfwAlertSystem
    1. The user can see who owns the FSM tree, nodes etc and force a release and retake for any user available in the respective e-group
11. Developed several changes, fixed bugs, implemented new panels in the dbEditorAndNavigator of the fwInstalltionUtils components (not many details because these are a lot)
12. Changes in the control room cooling panels where new data should be added
13. Understand the Redundancy mechanism and the CMSfwRedundancy mechanism
14. Developing a change in the CMSfwRedundancy component combined with the FwFsmSrvr script which initiates FSM and is responsible for any change in the FSM of the projects (big task. Have been working on it from July)
    1. Goal is that the FSM will be running on both active and passive peers and when the system switched from passive to active the FSM is already running and it doesn't take time to restart the whole processes
    2. The FSM is so big in production that it can take up to 30 minutes to start
15. CMSfwInstallUtils
    1. after implementing the confDbChecks I noticed that the address configuration was only checked if the type of address configuration was OPC.
    2. Developed the panel in such a way that it is now checking for all types of communication that can be saved in the db (BACNET, IEC, MODBUS, OPC Client, OPCUA, SIMATIC S7, SNMP, DIP, DIM)
16. Some Batch files used for Creating projects that exist in production were not working
    1. renaming service projects
    2. Registering service projects only worked if you were in the P5 network
17. More bug fixes, new development of panels etc in the dbEditorAndNavigator.

Shifts:

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| --- | --- | --- |
| **Shift start** | **Shift end** | **Shift type** |
| 01-DEC-2018 07:00h | 01-DEC-2018 15:00h | Central - DCS |
| 02-DEC-2018 07:00h | 02-DEC-2018 15:00h | Central - DCS |

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| --- | --- | --- |
| 25-OCT-2018 15:00h | 25-OCT-2018 23:00h | Central - DCS |
| 04-SEP-2018 07:00h | 04-SEP-2018 15:00h | Central - DCS |
| 03-SEP-2018 07:00h | 03-SEP-2018 15:00h | Central - DCS |
| 23-AUG-2018 23:00h | 24-AUG-2018 07:00h | Central - DCS |
| 25-JUN-2018 15:00h | 25-JUN-2018 23:00h | Central - DCS |
| 11-JUN-2018 23:00h | 12-JUN-2018 07:00h | Central - DCS |
| 01-JUN-2018 15:00h | 01-JUN-2018 23:00h | Central - DCS |
| 31-MAY-2018 15:00h | 31-MAY-2018 23:00h | Central - DCS |
| 23-MAY-2018 07:00h | 23-MAY-2018 15:00h | Central - DCS |
| 18-MAY-2018 07:00h | 18-MAY-2018 15:00h | Central - DCS |
| 14-MAY-2018 15:00h | 14-MAY-2018 23:00h | Central - DCS |
| 15-APR-2018 07:00h | 15-APR-2018 15:00h | Central - DCS |
| 19-MAR-2018 07:00h | 19-MAR-2018 15:00h | Central - DCS |
| 12-MAR-2018 07:00h | 12-MAR-2018 15:00h | Central - DCS |
| 05-MAR-2018 07:00h | 05-MAR-2018 15:00h | Central - DCS |
| 19-FEB-2018 07:00h | 19-FEB-2018 15:00h | Central - DCS |
| 14-FEB-2018 15:00h | 14-FEB-2018 23:00h | Central - DCS as trainee |
| 25-JAN-2018 15:00h | 25-JAN-2018 23:00h | Central - DCS as trainee |