

# ST PVSS developments & status towards the next running

- i. Current status & next running
- ii. Last improvements
- iii. What can be improved
- iv. What can not be improved

# I. Current status & next running

- IT and TT are both updated to the last version
- Both can should run smoothly and without permanent supervision
- New state implemented: HYBRIDS\_OFF → we only switch on the electronic needed for monitoring (usefull to check the stability)
- TED run scheduled for “someday” in the next week
- Injection test for next week cancelled

# II. Last improvements

- New state HYBRIDS\_OFF
- Safety tree + automatic actions log
- Added monitoring of DSS, SPECS, CAEN, MARATON and COOLING\_PLANT's signals in the Safety tree
- Automatic HV check to avoid to switch on the LV with the HV off
- OPC server upgrade



## Sub-System State

Sub-System	State	Icon
IT_HUM_Safe	READY	
IT_COOLING_Safe	READY	
IT_ST1A_Safe	READY	
IT_ST1C_Safe	READY	
IT_ST2A_Safe	READY	
IT_ST2C_Safe	READY	
IT_ST3A_Safe	READY	
IT_ST3C_Safe	READY	
IT_CAEN_DRV_Safe	READY	
IT_COOLING_DRV_Safe	READY	
IT_MARATON_DRV_Safe	READY	
IT_SPECS_DRV_Safe	READY	

GROUP	EMERGENCY_OFF	ERROR	NOT_READY	HYBRIDS_OFF	OFF	READY	TOTAL
IT_HUM_Safe	0	0	0	0	0	13	13
IT_COOLING_Safe	0	0	0	0	0	7	7
IT_ST1A_Safe	0	0	0	0	0	47	47
IT_ST1C_Safe	0	0	0	0	0	47	47
IT_ST2A_Safe	0	0	0	0	0	47	47
IT_ST2C_Safe	0	0	0	0	0	47	47
IT_ST3A_Safe	0	0	0	0	0	47	47
IT_ST3C_Safe	0	0	0	0	0	47	47

Open Alarm Panel

REFRESH

**Safety Record :**

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[2010.02.11 14:12:33.957] IT_ST3C_HV_Safe :: READY
[2010.02.11 18:14:00.606] IT_ST3C_LV_MRT_Safe :: READY
[2010.02.11 18:14:38.146] IT_ST3C_LV_REG_Safe :: READY
[2010.02.11 18:14:54.631] IT_ST3C_ACTION_DELAY :: ACTIVE
[2010.02.11 18:33:01.043] IT_ST3C_TEMP_BOX_Safe :: NOT_READY
[2010.02.11 18:33:01.043] IT_ST3C_TEMP_HYBRID_Safe :: NOT_READY
[2010.02.11 18:33:01.096] IT_ST3C_TEMP_SVCE_BOX_Safe :: NOT_READY

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[2010.02.11 18:33:01.099] IT_ST3A_Safe -> LV_EMOFF_HV_GOOFF
[2010.02.11 14:12:33.957] IT_ST3A_HV_Safe :: READY
[2010.02.11 18:14:00.611] IT_ST3A_LV_MRT_Safe :: READY
[2010.02.11 18:14:37.724] IT_ST3A_LV_REG_Safe :: READY
[2010.02.11 18:14:54.471] IT_ST3A_ACTION_DELAY :: ACTIVE
[2010.02.11 18:33:01.308] IT_ST3A_TEMP_BOX_Safe :: OFF

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# III. What can be improved/fixed

- All those things which don't need to restart the FSM's (i.e. slow control tree)
- Ex. fix panels which are not show properly, add new panels, add new trends ...
- Send SMS
- ... up to March 15

# IV. What can not be improved

- IT and TT are currently into global running so we can't take the control anytime we want
- Change something in the FSM means restart the control tree, so we are not going to add any new functionality here (except for bugs)
- No more new automatic actions
- No more changes in the control tree behaviour