

## TECHNICAL BULLETIN

# BELL HANDLING CONTROL CONSOLE SOFTWARE UPDATE

THE PRESENT TECHNICAL BULLETIN CONTAINS TECHNICAL INFORMATION AIMED TO SUPPORT/IMPROVE DRASS EQUIPMENT CURRENTLY IN OPERATION.

YOU ARE KINDLY REQUESTED TO:

- COMMUNICATE IF THIS DOCUMENT AND THOSE FOLLOWING SHOULD BE SENT TO DIFFERENT E-MAIL ADDRESSES.
- CONTACT DRASS FOR ANY CLARIFICATION NEEDED.
- INVOLVE DRASS FOR IMPLEMENTATION OF ANY SUGGESTED MODIFICATIONS.
- ALWAYS INFORM DRASS OF ANY MODIFICATION TO DRASS EQUIPMENT TO VERIFY SAFETY, ALLOW TRACEABILITY AND LIFE CYCLE SUPPORT.

PLEASE NOTE THAT TECHNICAL BULLETINS WILL BE AVAILABLE AT [WWW.DRASS.IT](http://WWW.DRASS.IT) FOR PERMANENT CONSULTATION.

### REASON FOR ISSUE

THE IMPROVEMENTS SUGGESTED ARE INTENDED TO IMPROVE LEVEL OF FUNCTIONING OF THE BELL HANDLING HMI AS PER THE FOLLOWING POINTS:

- A. IMPROVE ALARM PRESENTATION AND ALARM ACKNOWLEDGE.
- B. PREVENT POSSIBLE ERROR IN THE INSTALLATION OF A PLC OR HMI SOFTWARE MODULE WHERE THE INCORRECT VERSION OF THE SOFTWARE HAS BEEN PREVIOUSLY INSTALLED.
- C. ADD SHOCK ABSORBER PRESSURE ALARM
- D. AVOID IMPROPER USE OF SOLENOID ACTIVATION FOR THE CONSENT OF BELL MATE TRUNK PRESSURIZATION

**DESCRIPTION**

A. ONE OF THE SIGNS DEMONSTRATING THAT AN EFFECTIVE ALARM SYSTEM IS IN PLACE IS THAT IT PRESENTS ALARMS TO THE OPERATOR ONLY WHEN THEY ARE RELEVANT AND REQUIRE A RESPONSE / ATTENTION. THIS MEANS THE ALARM SYSTEM IS ABLE TO TRACK THE STATE OF THE PROCESS IN ORDER TO KNOW WHEN TO PRESENT THE ALARM AND WHEN TO SUPPRESS IT. TRANSIENT PLANT CONDITIONS AND UNPLANNED PROCESS UPSETS MAKE THIS A CHALLENGE FOR MANY PROCESS APPLICATIONS. THE NEW SOFTWARE PROVIDES A POWERFUL AND EASY-TO-USE CAPABILITY FOR SUPPRESSING ALARMS DYNAMICALLY BASED ON THE STATE OF THE PROCESS AND/OR EQUIPMENT. FOR THIS REASON WE HAVE INTRODUCED ISA-1 LOGIC IN ALARM MANAGEMENT.

B. ON THE HMI FIRST PAGE THE HMI AND PLC VERSION OF THE SOFTWARE IS HIGHLIGHTED. WITH THIS TOOL IT IS POSSIBLE TO TRACK THE VERSION OF THE SOFTWARE INSTALLED ON THE SYSTEM.



C. ALARMS FOR LOW AND HIGH PRESSURE HAVE BEEN ADDED CLOSE TO PRESSURE GAUGE IN ORDER TO ATTRACT THE ATTENTION OF THE OPERATORS.





D. IN THE NEW RELEASE OF THE SOFTWARE WE HAVE INTRODUCED TWO DIFFERENT THRESHOLDS FOR THE ACTIVATION AND DEACTIVATION OF THE SOLENOID "CONSENT OF BELL MATE TRUNK PRESSURIZATION" IN ORDER TO AVOID PROBLEMS OF COMMAND FLICKERING.

THE MODIFICATION CAN BE REQUESTED FROM [CLAUDIA.RAMIREZ@DRASS.IT](mailto:CLAUDIA.RAMIREZ@DRASS.IT);  
PLEASE C.C. TO [SALES@DRASS.IT](mailto:SALES@DRASS.IT)

### RECOMMENDATIONS

1. USE ONLY DRASS ORIGINAL UPGRADE KIT
2. RECORD THE MODIFICATION IN THE DOCUMENTATION OF THE DIVING SYSTEM
3. REPORT THE EXECUTION OF THE IMPROVEMENT AS PER OEM RECOMMENDATIONS TO THE CLASS SURVEYOR DURING THE ANNUAL SURVEY.