

Electrical and I&C Interfaces and Battery Limits

SOUVISEJÍCÍ DOKUMENTY / REFERENCE DOCUMENTS:	
NÁZEV VÝKRESU / DOCUMENT TITLE:	Č. VÝKRESU / DOCUMENT NO.:
Electric Motor Compressor Unit Specification	C4G-JI73-ILF-KS007-STR-SPC-800
Geographical Climatic and Environmental Conditions	C4G-JI73-ILF-KS007-GEN-MAN-901
Control System Architecture - Overall Block Diagram	C4G-JI73-ILF-KS007-MAR-DIA-100
Mechanical Interfaces for EMCS - Schematics	C4G-JI73-ILF-KS007-STR-DIA-130

- Abbreviation:**
- DB Distribution Board
  - ESD Emergency Shut-Down
  - EMCS Electro Motor Compressor Set
  - FOC Fiber Optic Cable
  - LV Low Voltage
  - MCC Motor Control Center
  - MV Medium Voltage
  - ODF Optical Distribution Frame
  - OWS Operator Work Station
  - SCS Station Control System
  - UCS Unit Control System
  - UPS Uninterruptible Power Supply
  - VSD Variable Speed Drive

**Notes:**  
*Note. 1:*  
Supply and installation of the cabling interconnecting the equipment included in the EMCS Scope of Supply as per Annex 1, doc. number C4G-JI73-ILF-KS007-STR-SPC-800 Specification for Electro Motor Compressor Set (EMCS).

*Note. 2:*  
Necessity for Unit UPS is based on EMCS Supplier requirements.

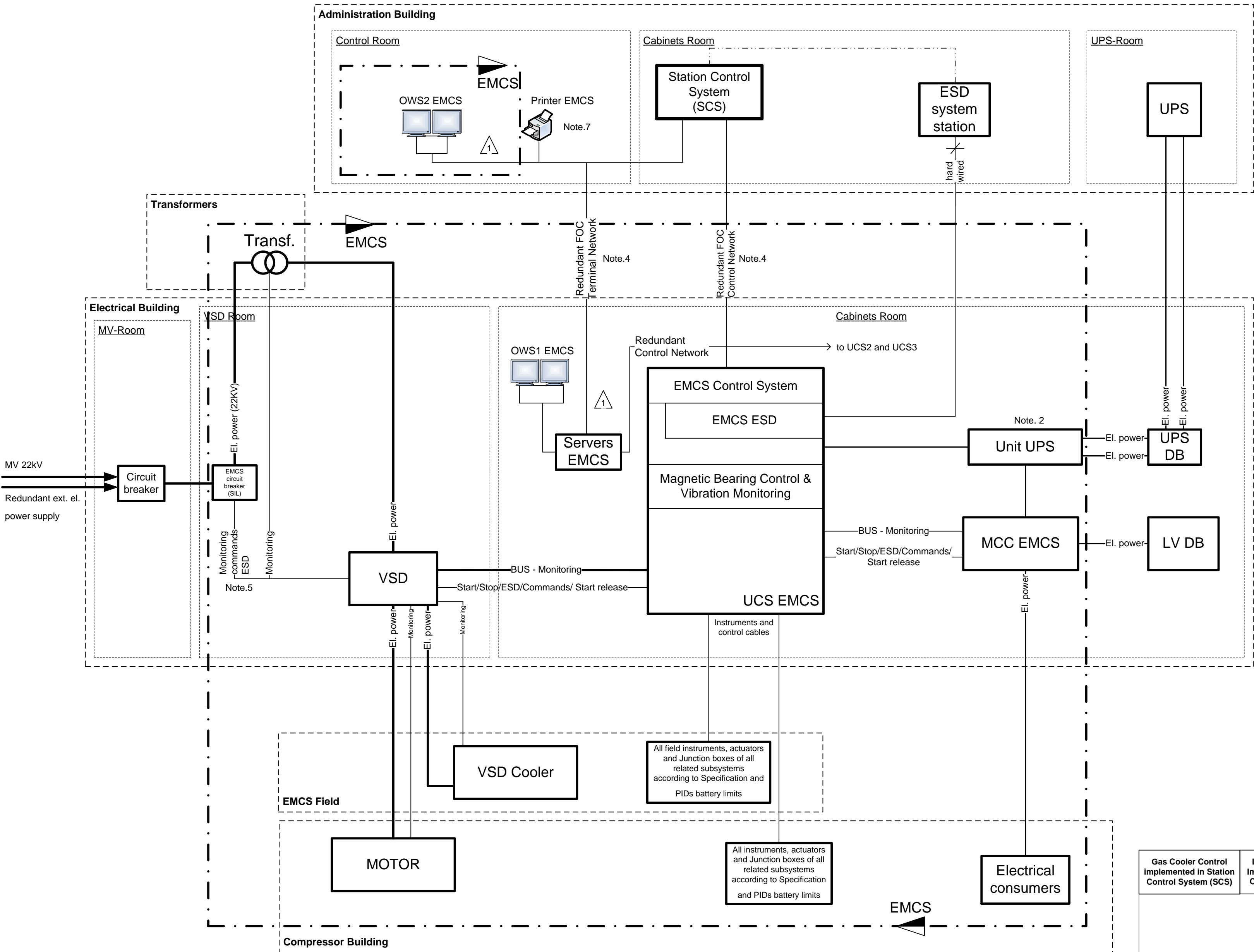
*Note. 3:*  
Harmonic Filters are not shown and should be avoided if possible. If required based on harmonic study they shall be in scope of EMCS Supplier.

*Note. 4:*  
Media Converter for FOC and patch cables provided by EMCS Supplier. ODF and FOC between buildings by others.

*Note. 5:*  
EMCS Supplier is responsible for the SIL classification of the complete loop, inclusive EMCS Circuit Breaker.

*Note. 6:*  
Power and signal cabling between transformer and VSD to be engineered and delivered by EMCS Supplier and installed by others.

*Note. 7:*  
Standard office printers shall be excluded from Supplier scope of work. These printers shall be provided in different Sub-Projects. Only special alarm printers shall be provided by EMCS Supplier.



001	20.07.2017	Update – Comments EMCS	Zegglio	Foltin	Schorling
000	26.06.2017	APP – Approved	Abdelhamid	Foltin	Schorling
B01	17.05.2017	IFR – Issued for Review	Abdelhamid	Foltin	Schorling
REV.	DATE	ISSUE, SCOPE OF REVISION	PREPARED	CHECKED	APPROVED



PHASE:

PROJECT:

CAPACITY FOR GAS – C4G  
Compressor Station Jirkov 73 bar

DRAWING TITLE:

Schematic Interfaces (E, I&C) for EMCS  
Annex 1, Attachment 1.11

PROJ. NO.:

N663

DRAWING NO.:

C4G-JI73-ILF-KS007-GEN-DIA-100-001

SCALE:

SHEET

OF

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