

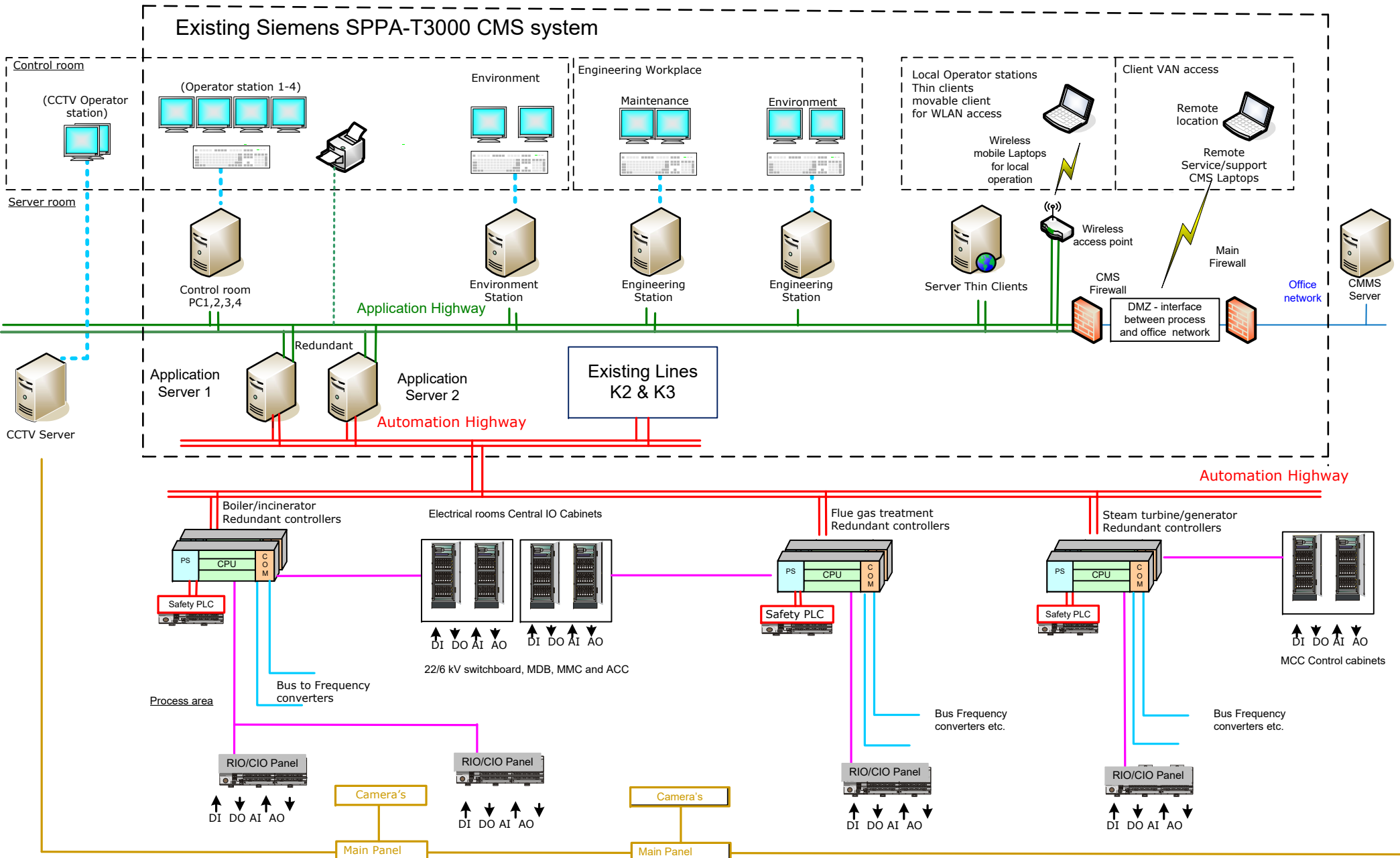
Existing Siemens SPPA-T3000 CMS system

Level 3

Level 2

Level 1

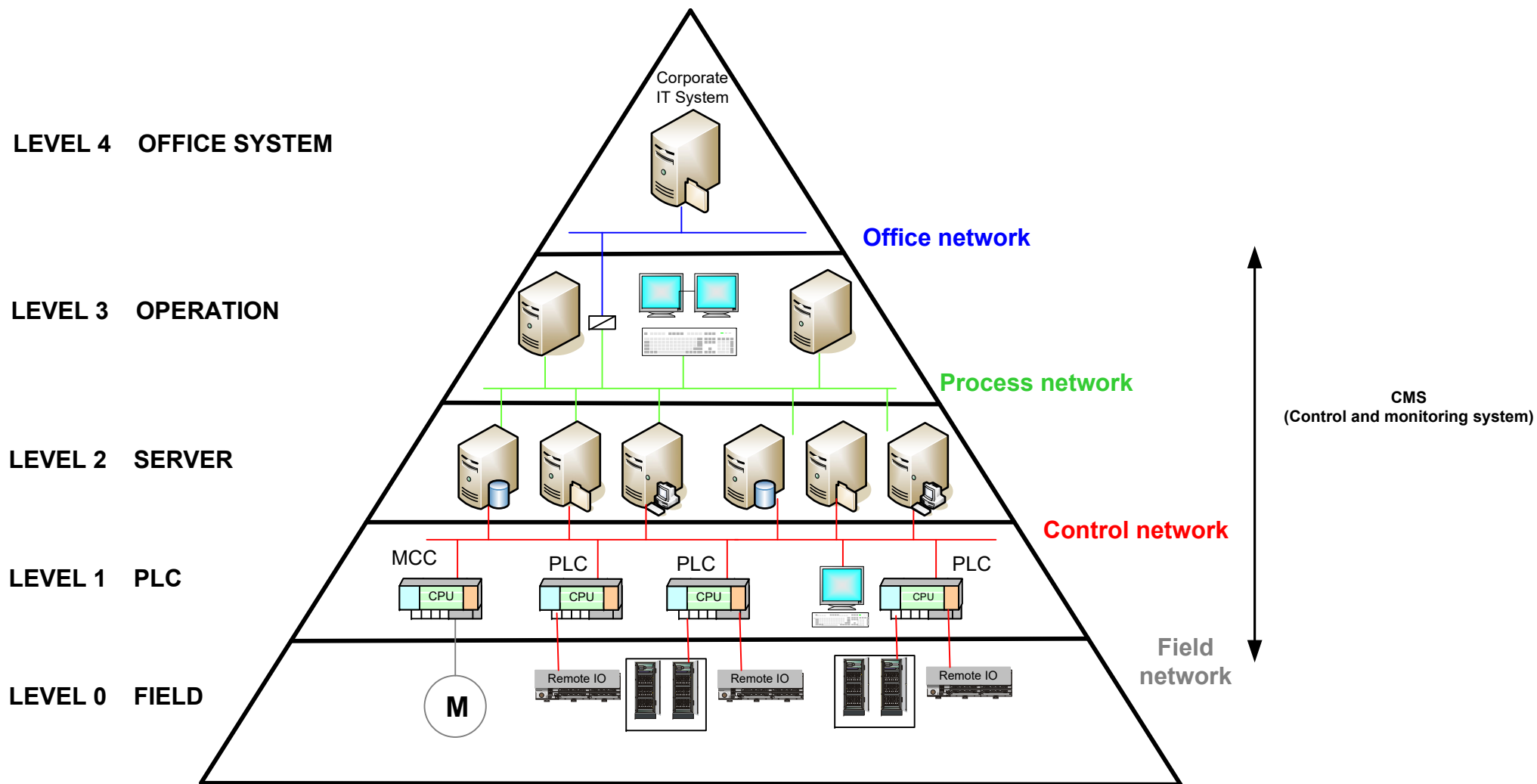
Level 0



LEGEND


- Process network
- Control network
- Redundant optical fiber
- To Frequency converters
- CCTV network

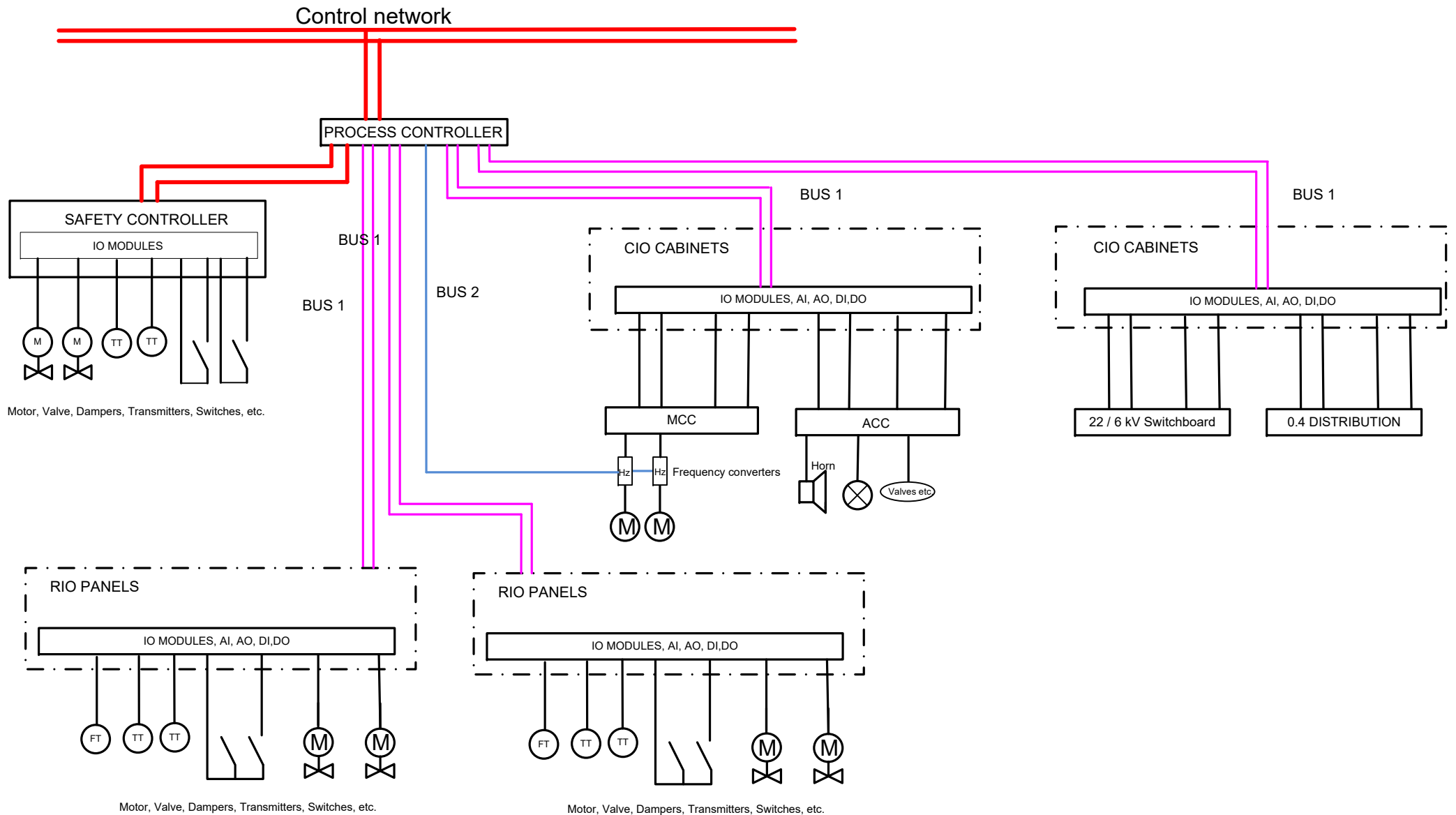
REVISIONS				<div>RAMBOLL</div> <div>Hannemanns Alle 53 DK-2300 København S Tlf +45 51616000</div>	CMS Topology			
REV	DESCRIPTION	DATE	APPROVED		SAKO EfW Plant, Line K1			
3	Final	2020-11-17	TRT		SIZE 1	FSCM NO	DWG NO Appendix A17.1	REV 3
FILENAME Appendix 17 Concept Diagram for Automation					SCALE		PAGE	1 OF 4



LEGEND

- Office network
- Process network
- Control network
- Field network

REVISIONS				 Hannemanns Alle 53 DK-2300 København S Tlf +45 51616000	Automation concept, Principle			
REV	DESCRIPTION	DATE	APPROVED		SAKO EfW Plant, Line K1			
3	Final	2020-11-17	TRT		SIZE 1	FSCM NO	DWG NO Appendix A17.2	REV 3
FILENAME Appendix 17 Concept Diagram for Automation					SCALE		PAGE	2 OF 4

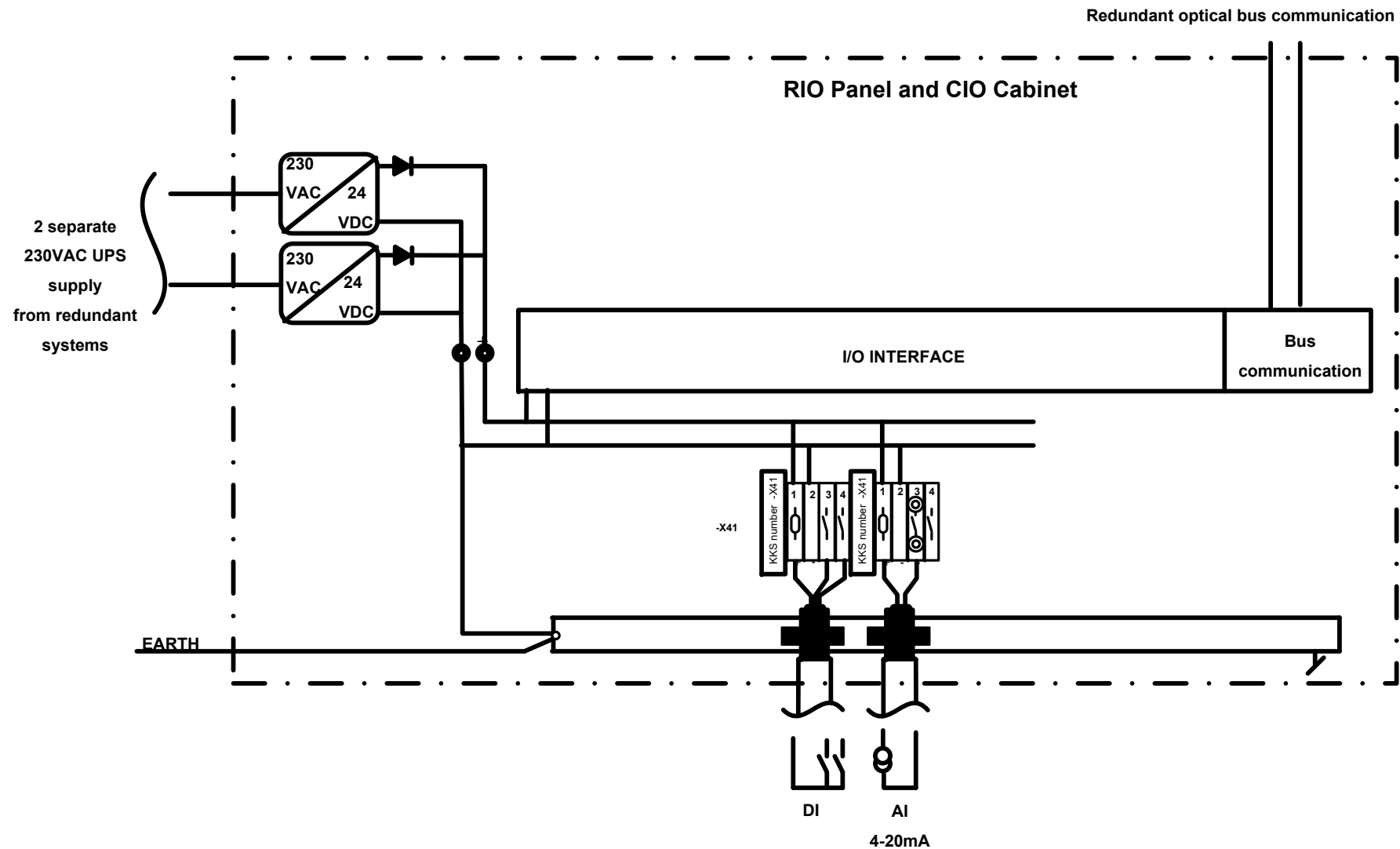


LEGEND

- Control Network
- Bus 1: Redundant optical fiber
- Bus 2: To Frequency converters
- Hardwired signals

MCC Motor Control Centre
ACC Auxiliary Control Center (for auxiliary equipment)

REVISIONS				<div style="background-color: #0070C0; color: white; padding: 5px; text-align: center;"> RAMBOLL </div> <div style="font-size: small; padding: 5px;"> Hannemanns Alle 53 DK-2300 København S Tlf +45 51616000 </div>	Standard interface between CMS and Proces			
REV	DESCRIPTION	DATE	APPROVED		SAKO EfW Plant, Line K1			
3	Final	2020-11-17	TRT		<div style="display: flex; justify-content: space-between; font-size: x-small;"> <div>SIZE 1</div> <div>FSCM NO</div> <div>DWG NO Appendix A17.3</div> <div>REV 3</div> </div>			
FILENAME Appendix 17 Concept Diagram for Automation					SCALE		PAGE	3 OF 4



REVISIONS				<div style="display: flex; align-items: center;"> <div style="background-color: #0070C0; color: white; padding: 5px; font-weight: bold; margin-right: 10px;">RAMBOLL</div> <div> <p>Principle for RIO panel</p> <p>SAKO EfW Plant, Line K1</p> </div> </div>			
REV	DESCRIPTION	DATE	APPROVED				
				Hannemanns Alle 53 DK-2300 København S Tlf +45 51616000			
3	Final	2020-11-17	TRT		<div style="display: flex; justify-content: space-between;"> <div>SIZE 1</div> <div>FSCM NO</div> <div>DWG NO Appendix 17.4</div> <div>REV 3</div> </div>		
FILENAME Appendix 17 Concept Diagram for Automation					SCALE	PAGE	4 OF 4