

IO Estimation






for

CO₂ Capture Facility

Kårstø, Norway

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DCS I/O DISTRIBUTION BY I/O CABINET LOCATION AND TYPE									
FIELDBUS & TRADITIONAL I/O DISTRIBUTION									
DCS I/O CABINET LOCATION	TOTAL DI	TOTAL DO	TOTAL AI	TOTAL AO	TOTAL AI T (T/C)	TOTAL AI T (RTD)	TOTAL PI	TOTAL SOE	TOTAL I/O
CCR EQUIP ROOM - DCS									0
ELECTRICAL BLDG - DCS	612	172	18	10		117	8	48	985
COMPRESSOR BLDG - DCS	12	11	8	1		54			86
	0	0	0						0
ELECTRICAL BLDG - PSD	26	23	19			10			78
CCR EQUIP ROOM - ESD	90	64	4						158
CCR EQUIP ROOM - F&G	53	90	43						186
ELECT BLDG - F&G	53	90	43						186
TOTALS:	846	450	135	11	0	181	8	48	
									Plant Grand Total: 1679
FIELDBUS & TRADITIONAL I/O DISTRIBUTION WITH CUSTOMER SPARE									
DCS I/O CABINET LOCATION	TOTAL DI	TOTAL DO	TOTAL AI	TOTAL AO	TOTAL AI T (T/C)	TOTAL AI T (RTD)	TOTAL PI	TOTAL SOE	TOTAL I/O
CCR EQUIP ROOM - DCS	0	0	0	0	0	0	0	0	0
ELECTRICAL BLDG - DCS	765	215	23	13	0	146	10	60	1231
COMPRESSOR BLDG - DCS	15	14	10	1	0	68	0	0	108
	0	0	0	0	0	0	0	0	0
ELECTRICAL BLDG - PSD	33	29	24	0	0	13	0	0	98
CCR EQUIP ROOM - ESD	113	80	5	0	0	0	0	0	198
CCR EQUIP ROOM - F&G	66	113	54	0	0	0	0	0	233
ELECT BLDG - F&G	66	113	54	0	0	0	0	0	233
TOTALS:	1058	564	170	14	0	227	10	60	
									Plant Grand Total: 2101