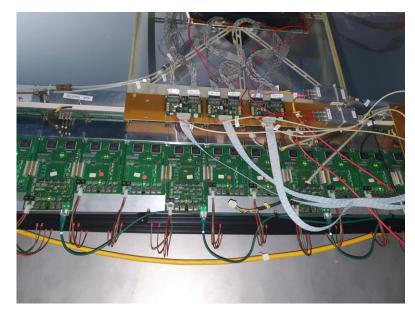
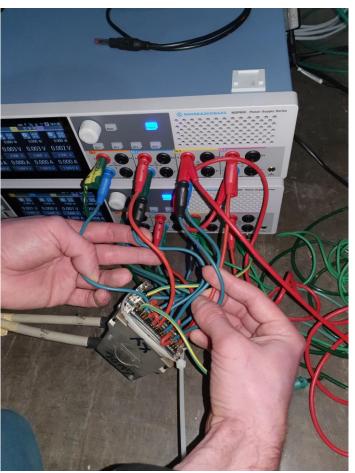
LV for GEM test: GEM4 during dry run









GEM 4 was equipped during the last days of the dry run with two R&S NGP8XX family power supply. Integrated in the DCS system with a readout rate of 10 to 15 Hz. The devices have ben extensively tested in terms of communication stability by Christophe with positive results. Same cabling of GEM0 but interface connector. Network interface (snp)

Thanks Moritz, Christophe



Number of units needed in view of replacing 6 GEM stations as proposed with the HMC 8043

ROHDE&SCHWARZ



Item	Model Description / Estimated Delivery (Weeks)	Part Number	Qty. pc.	Unit Price CHF	Total Price CHF
1	NGP800 Power Supply		10		
1.1	NGP804 Four-channel power supply 0V to 32V, max. 20A per channel max. 200W per channel (800W total) 5" capacitive touch screen QuickArb, Sense electronic fuse, FuseLink OVP, OPP, OTP USB/LAN interface	5601.4007.02	10	4,290.00 -15.00%	42,900.00 36,465.00
	Country of Origin: Malaysia				
1.2	ZZA-GE23 19 inch rack adapter, 2HU, for R&S®NGP800 power supplies (accessory) Country of Origin: Czech Republic	5601.4059.02	10	286.00 -15.00%	2,860.00 2,431.00
	country or origin. ozeon nepublic	Item Price (1) CHE		4 576 00	45 760 00

Item Price (1) CHF	4,576.00 -15.00%	45,760.00 38,896.00
Total Net Price	CHF	38,896.00

Essential technical modifications may make it necessary to replace certain items ordered by the customer with new successor items. In this case, the customer agrees to the modification of the subject matter of the contract even after placement of the order, provided that the agreed terms and conditions are retained and that the successor item compiles with the technical specifications of the item ordered by the customer.

The customer has to make all payments from a bank account under their name. The customer is liable for all payments from the contractual relationship and must ensure compilance with all applicable legislation, in particular on the prevention of money laundering.

Few considerations:

HMC 8043 max I(A) 3 A → does not work with old ADCs requirements
HMC 4040 slower than 1 hertz readout speed, in case of communication loss needs manual restart. Max channel current 10 A
NGP8XX 20 A channel (save channels have two MC4040 in parallel) → Possible ?

ROHDE&SCHWARZ

Item	Description	Model	Part number	Qty.	Total price CHF
1	HMP High-Performance Power Supply			13	
1.1	3-channel power supply, 0V to 32V, max. 10A , max. 384W	HMP4030	3629.6776.03	13	25'935.00
1.2	19 inch rack adapter 4HU (acc.)	HZP91	5800.0939.02	13	4'589.00
				13	30'524.00 - 12.00 %
	Position price (1) for				26'861.12
2	HMP High-Performance Power Supply			10	
2.1	4-channel power supply, 0V to 32V, max. 10A , max. 384W	HMP4040	3629.6776.04	10	22'750.00
2.2	19 inch rack adapter 4HU (acc.)	HZP91	5800.0939.02	10	3'530.00
					26'280.00
	Position price (2) for				- 12.00 % 23'126.40
3	NGP800 Power Supply			10	
3.1	NGP804 FOUR-CHANNEL POWER SUPPLY 32V/20A	NGP804	5601.4007.02	10	44'450.00
3.2	19 inch rack adapter, 2HU, for R&S®NGP800 (acc.)	ZZA-GE23	5601.4059.02	10	2'960.00
					47'410.00
	Older offer Pos	ition price (3)	for	10	- 17.00 % 39'350.30