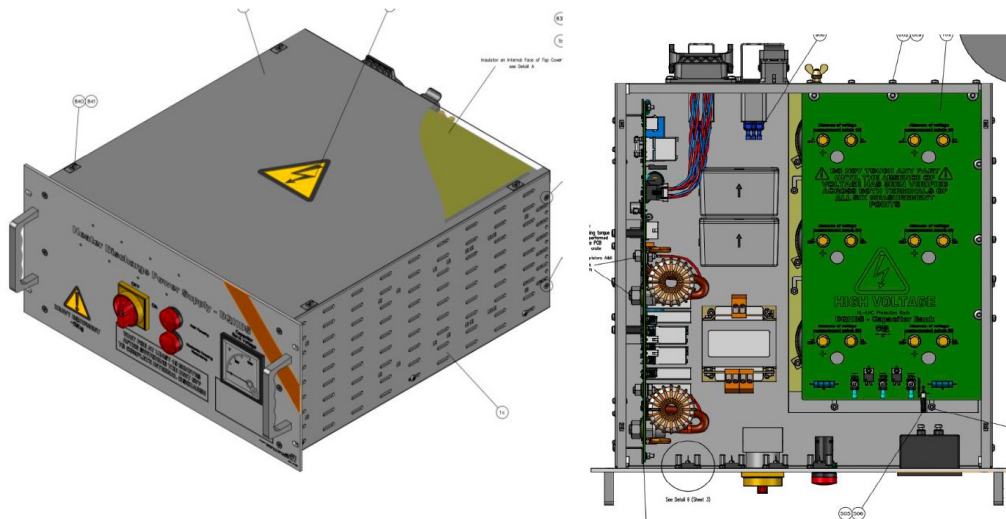


Quench Heater Power Supply Units (DQHDS)

- Collaboration with HL-LHC WP7 and TE-MPE-MP.
- Deliverables: 630 DQHDS units.
 - Phase 1 in JFY2023: pre-series production of 4 units and a full qualification at CERN.
 - Phase 2 in JFY2024-2025: series production of 626 units.
- Manufacturing in accordance with CERN's Technical Specification (EDMS 2786661).
- The contract was awarded to Nichicon and the kick-off meeting was held at Oct. 10-11, 2023.
- Design files (drawings, BOM) and MIP (Manufacturing and Inspection Plan) prepared by Nichicon were checked by KEK and CERN. The green-light to start the pre-series production was given at Nov. 28.
- The Addendum of MoU for an in-kind contribution of DQHDS units will be finalized soon.



Procurement Plan of DQHDS

JFY	ID	Item	#	Status, remarks
2023	A1	Pre-series DQHDS	4	To be qualified by CERN to start a full production of the series.
	B	Aluminum Electrolytic Capacitor Nichicon, LNU2H472ASEBZX	3828	Nichicon capacitors for series production of DQHDS (626 units) will be supplied from KEK to Nichicon in JFY2024-2025.
	C	Transformer CME, 015911	646	CKE transformers for series production of DQHDS (626 units) will be supplied from KEK to Nichicon in JFY2024-2025.
	D	Thyristor SEMIKRON, SKT80/18E	1320	SEMIKRON Thyristor for series production of DQHDS (626 units) will be supplied from KEK to Nichicon in JFY2024-2025.
	E1	Transportation to CERN	4	
2024	A2	Series production DQHDS	360*	Detail of delivery from Nichicon to KEK including packaging shall be discussed.
	E2	Transportation to CERN	360	Unit quantity for transportation will be 48 units of DQHDS.
2025	A2	Series production DQHDS	266*	
	E3	Transportation to CERN	266	Delivery to CERN will be continued in JFY2026.

* While total number of 626 units will be unchanged, number of each fiscal year could be varied depending on the allocated annual budget.