

- Two existing transformers
- Purpose of the new Trafo:
  - To have a reliable independent current sources for both SULTAN and EDIPO.
  - To extend the operating range to approx. 120 kA.

	Trafo 96 (SULTAN)		Trafo EDIPO 1		Trafo EDIPO 2	
	Design	Reality	Design	Reality	Design	Reality
Max $I_{\text{prim}}$	300/200 A	200 A	300 A	200 A	300 A	
Max $I_{\text{op}}$	100 kA	80 kA	100 A	100 A	120 kA	

- Requirements: interchangeability between both EDIPO and SULTAN
- Main design change w.r.t. Trafo EDIPO 1: slightly larger cross-section of the secondary winding.

# Superconducting Rectifier

- Proposal by Nikolay – to make an HTS rectifier as shown in the picture.

