



SKA Dish

15m Offset gregorian Dish Aluminium Panel main reflector 5m Composite Sub reflector 58 tonnes

SPF Band Configurations

Band 1: 350 -1050 MHz

Band 2: 950 -1760 MHz

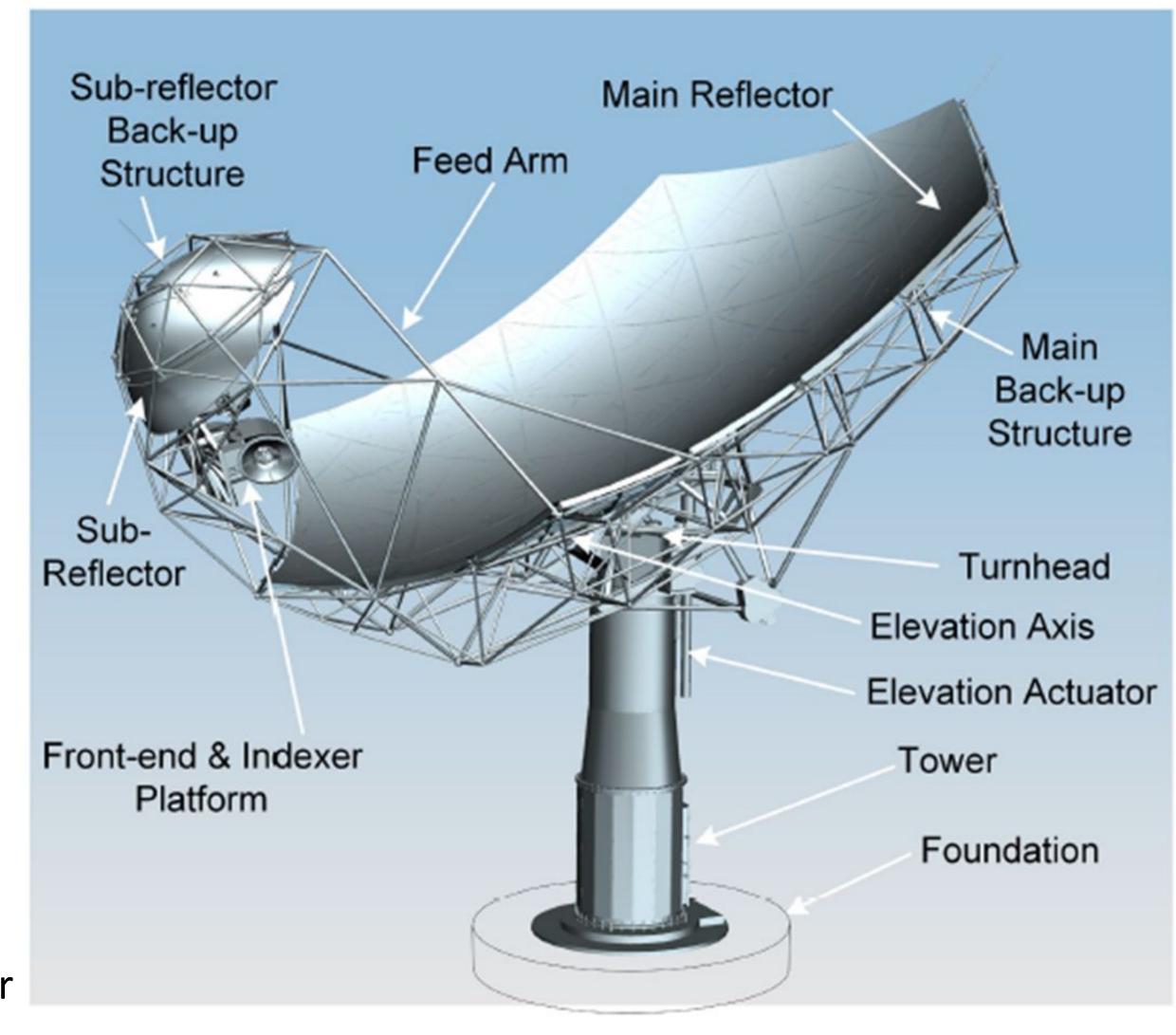
Band 3: 1.65 - 3.05 GHz

Band 4: 2.8 -5.2 GHz

Band 5a: 4.6 - 8.5 GHz

Band 5b: 8.3 – 15.4 Ghz

SARAO will be the Dish AIV Contractor Contracting 2022





Dish Development Status

	Construction location	CDR Date
Dish AIV	South Africa	Late 2022
Dish Structure	China/ Italy/ South Africa	July 2022
Band 1	Sweden/ India/ Spain	Completed
Band 2	South Africa/ Canada	Completed
Band 5	UK / Spain/ Sweden	September 2022
Cryo	UK	June 2022
SPF Services	South Africa	Completed

Dish Structure

CETC 54 - Lead Main Contractor

SAM - Feed Indexer

Spain - Sub Reflector

ITC - EMI Cabinet



Feed Indexer testing SAM Italy



Panel Manufacturer CETC54



SKAP - China



SKAMPI- SA

Contracting Initiated. - Complete August 2022

First Dish - April 2023

IDR finding risks - Development of Drive system,

Verification of Rfi, Pointing and surface



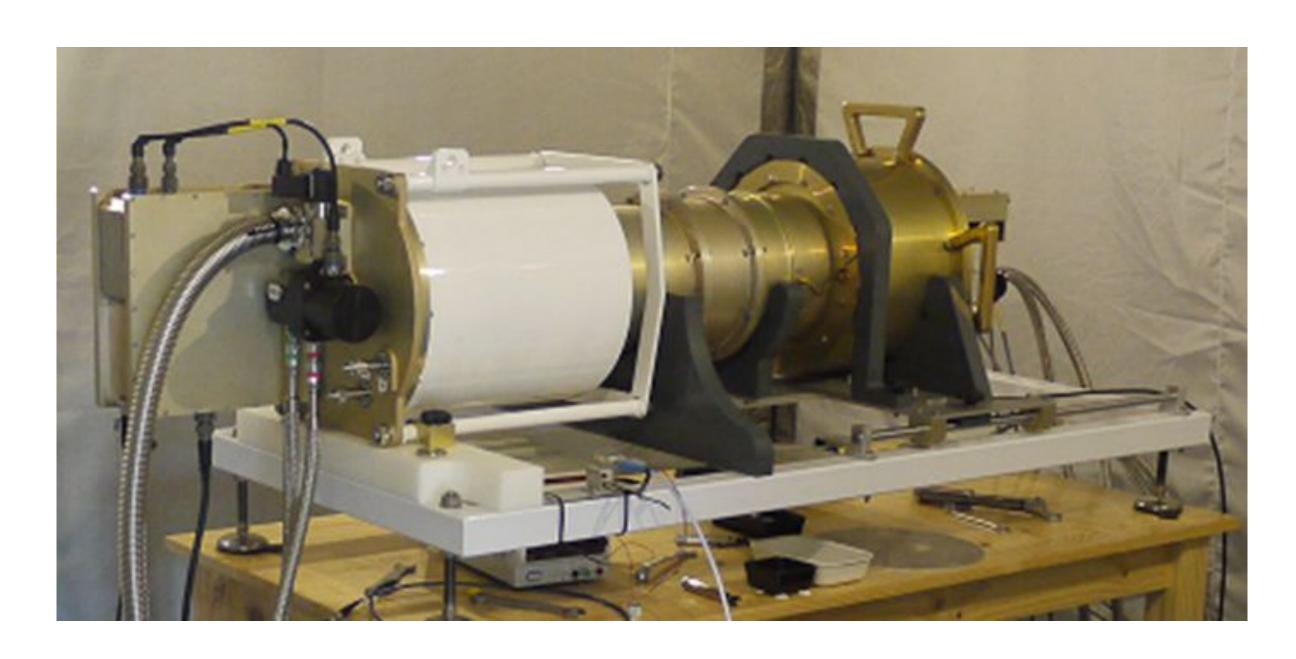
Band 1

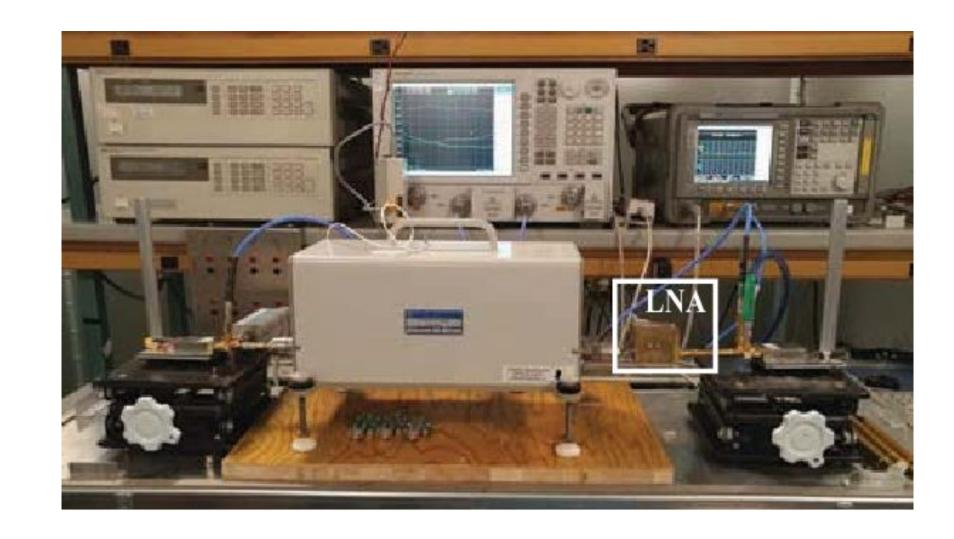


On Dish testing completed on SKAMPi.
Procurement in process and advancing.
Planned contract competitive award in Sweden Oct 2022



Band 2





LNA under test at NRC

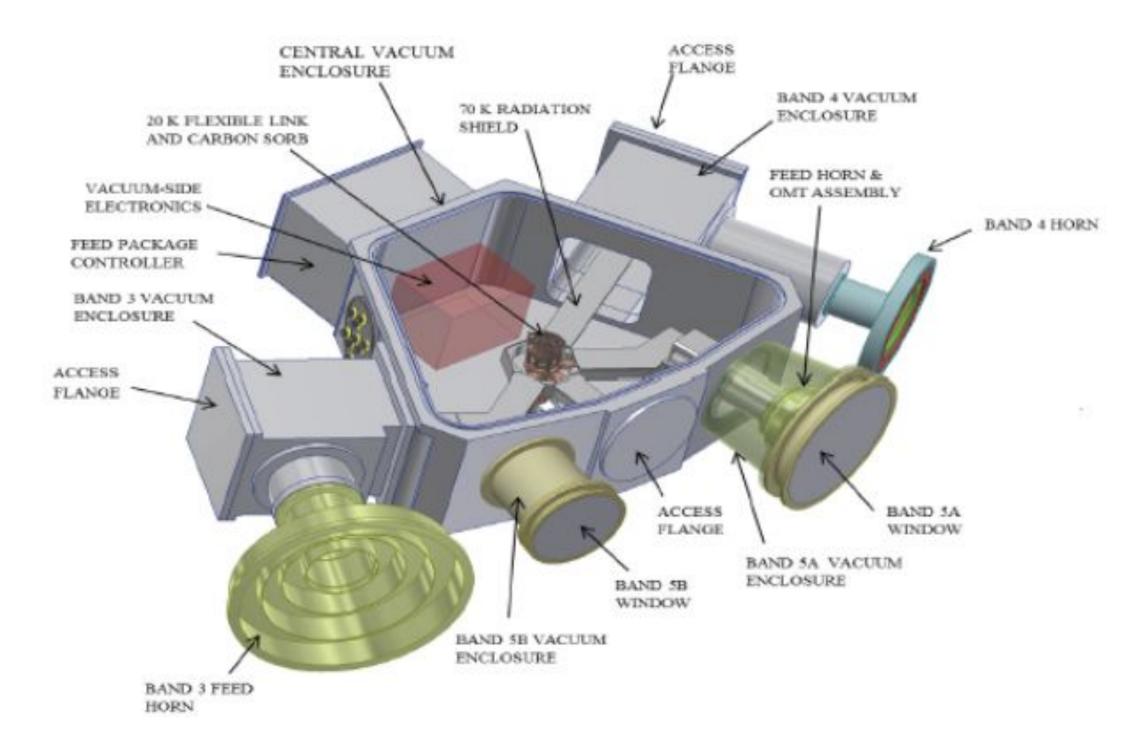
Band 2 SPF Under test at EMSS SS

- On Dish Testing completed on SKA Mpi
- Contributions from Canada
- Probably a Single Source contract award planned - Nov 2022 - likely to be later



Band 5

- On Dish Testing still to be completed
- UK Contractor with contributions from Spain and Sweden
- Planned contract award June 2023



Band 5 CAD Model with Full SKA baseline deployment



Band 5 Cryo test at Oxford University

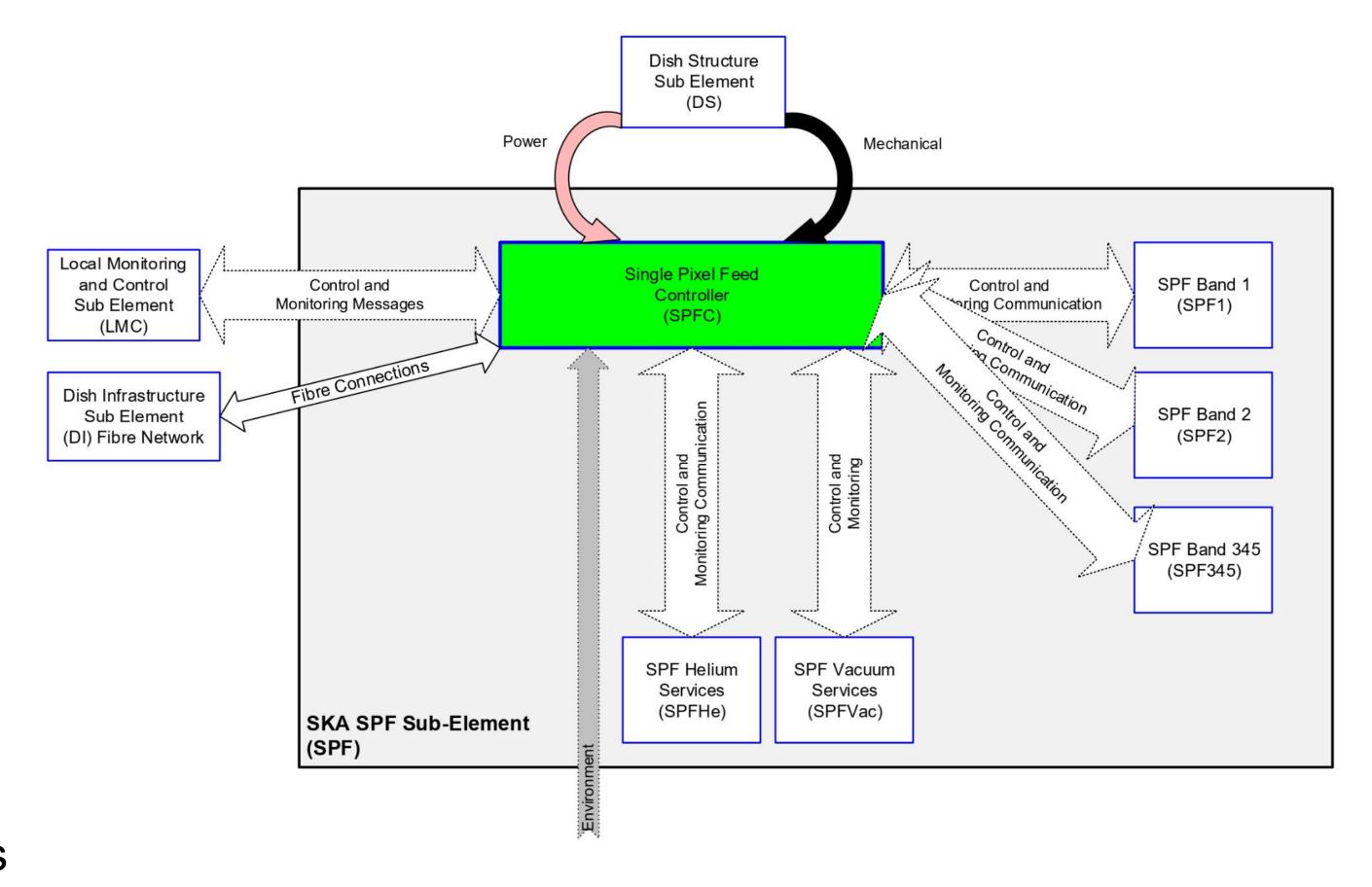


Cryo

Services



CDR June 22 Single Source Tender - Oxford Cryo Systems Planned Contract award - November 2022



CDR Complete Single Source Tender - EMSS South Africa Planned Contract award September 2022



We recognise and acknowledge the Indigenous peoples and cultures that have traditionally lived on the lands on which our facilities are located.



www.skao.int