



new NL ESO ILO

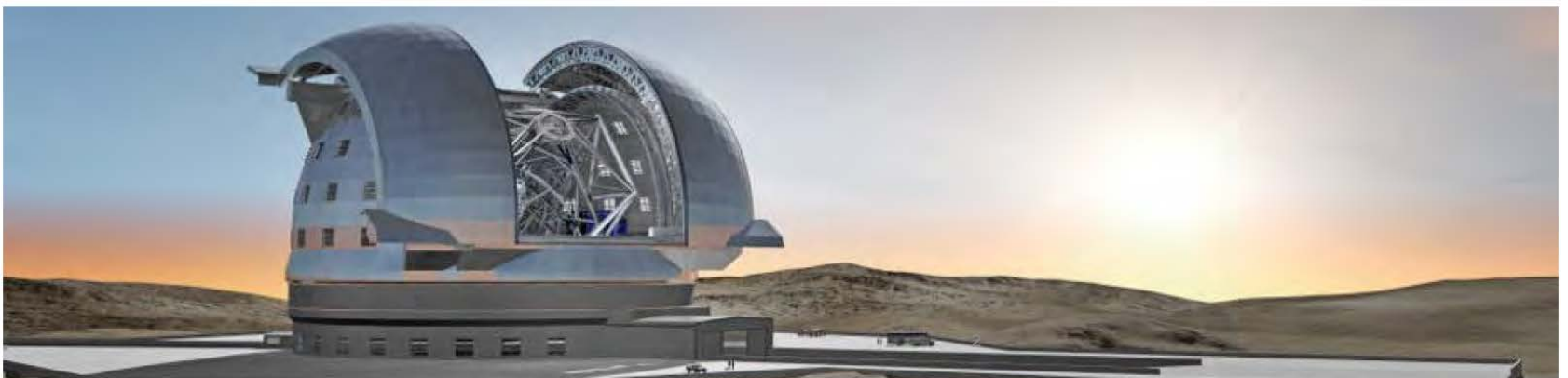
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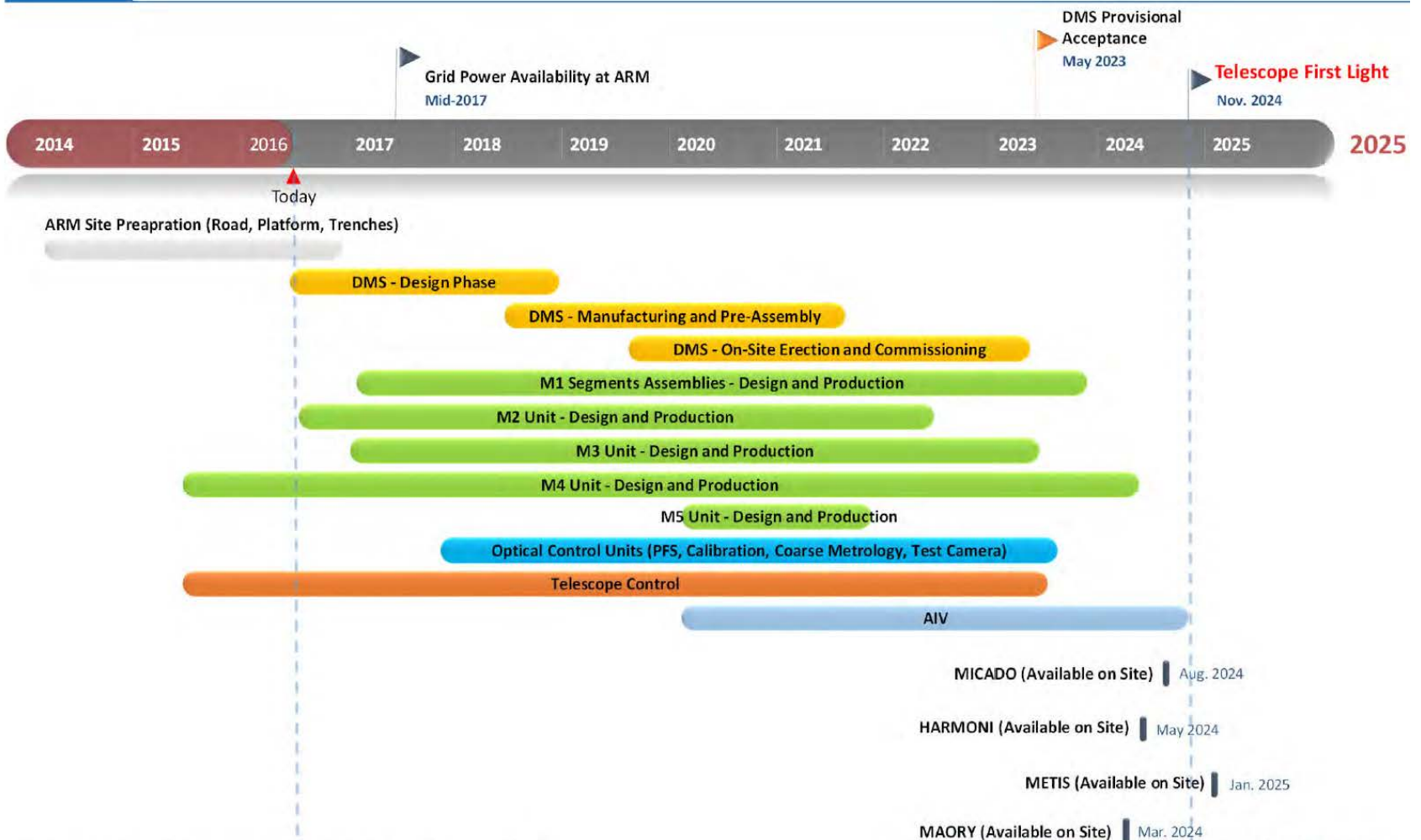


- Largest optical/infrared telescope in the world
 - 39m segmented primary mirror: transformational step
- Project
 - Construction 2014-2024, on Cerro Armazones
 - As *integral part* of the Paranal Observatory ('one more telescope')
 - ESO cost:
 - Capital cost: ~1143 MEUR (incl. staff, instruments and contingency)
 - Operation cost: ~50 MEUR / year





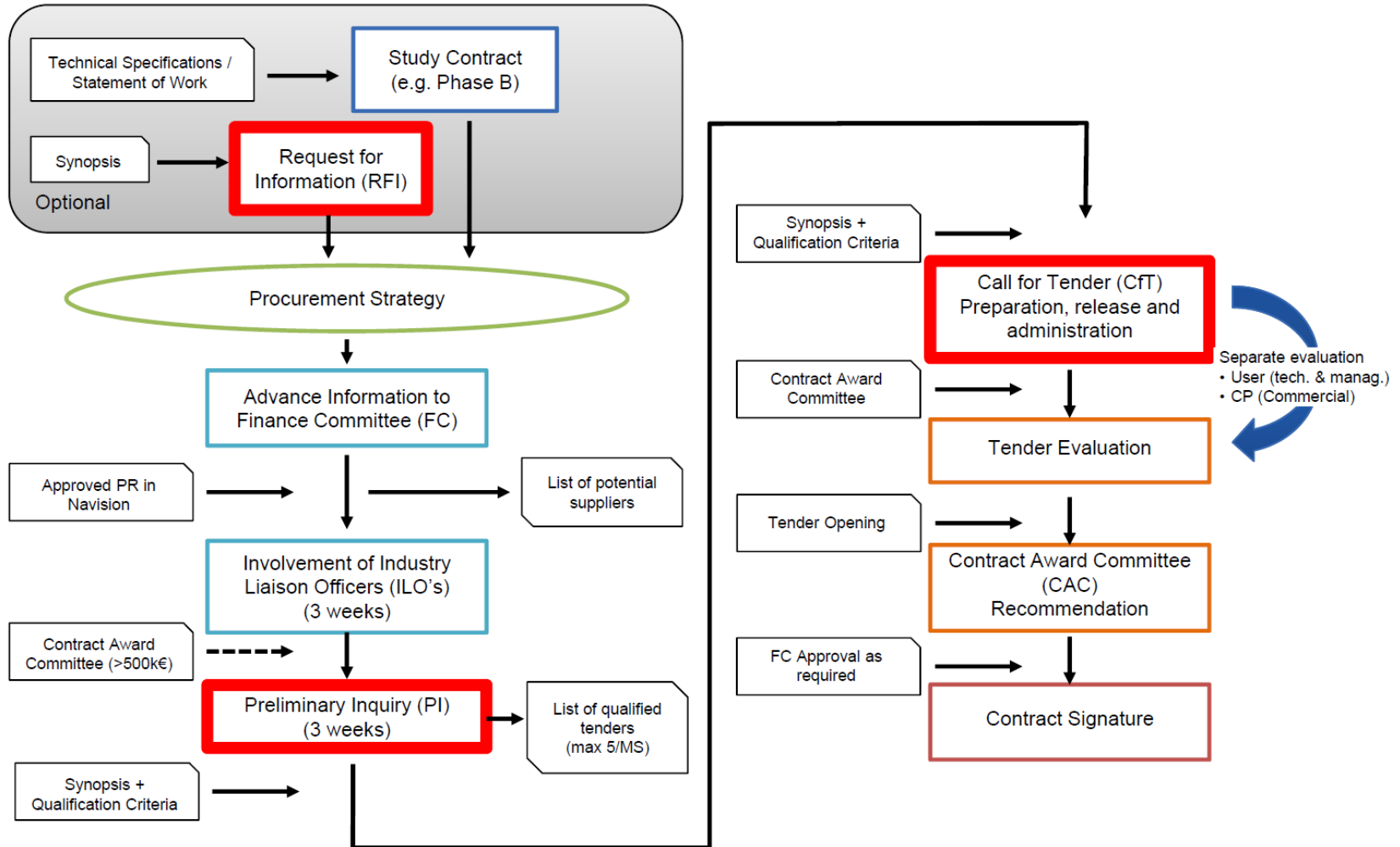
E-ELT Full Programme Schedule



R. Tamai, E-ELT Programme, KNAW Symp. 22/11/2016



ESO Procurement Process

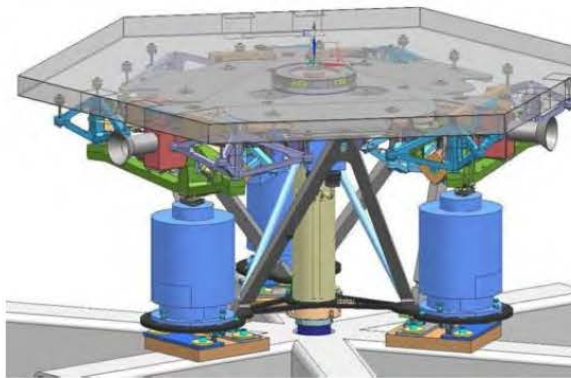


M1 Segment Support Design & Qualification contract

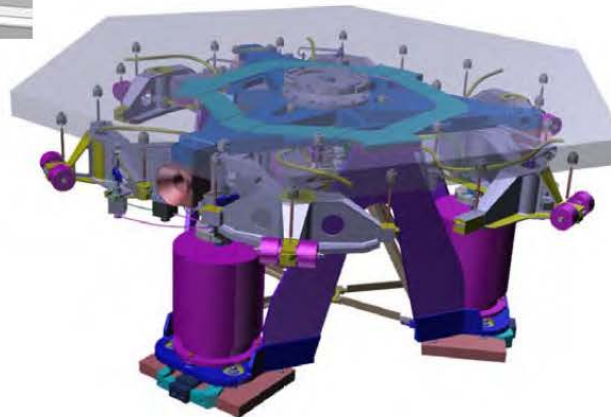
- Two parallel contracts: VDL (NL) and CESA (ES):
 - Design to FDR and delivery of 4 qualification models
 - FDR held for both contracts



↑
Dummy segment for force tests
(VDL)



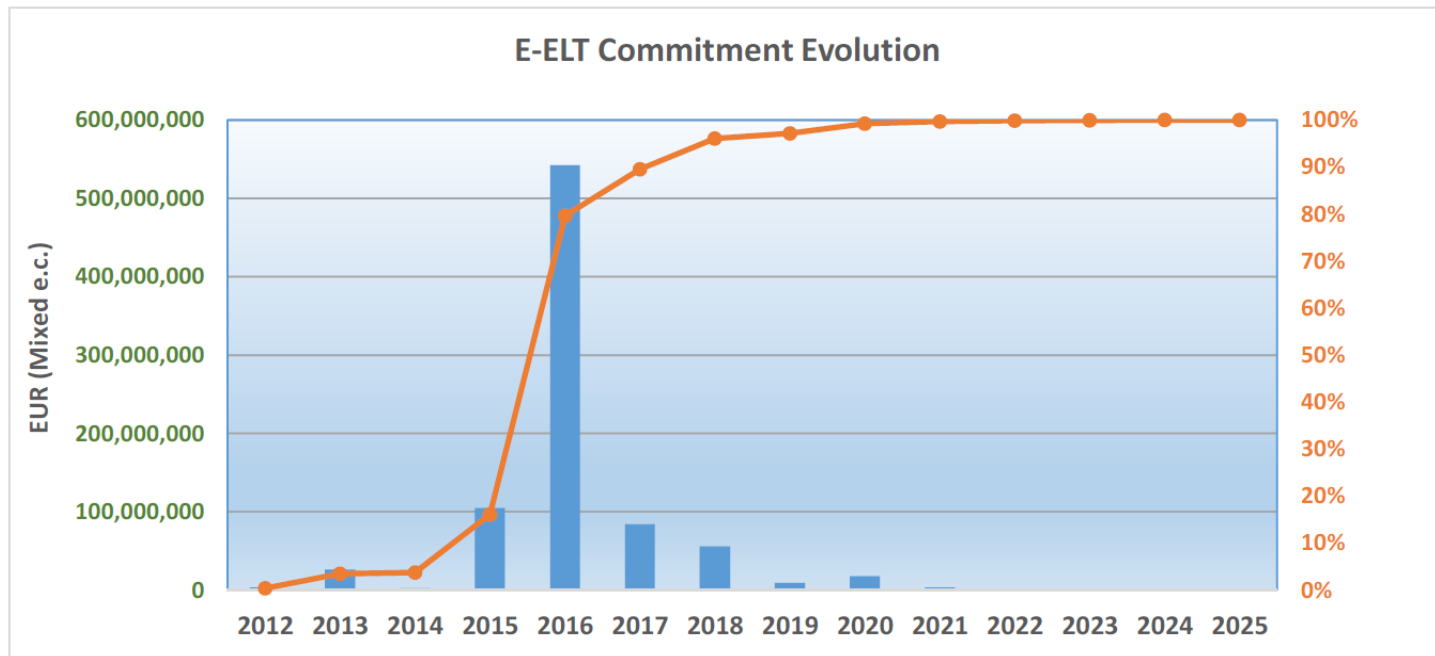
← FDR Design (VDL)



FDR Design (CESA) →

E-ELT – Financial Commitment Evolution (Phase 1)

- Today the E-ELT Programme has already committed **80%** of the material budget of Phase 1, and, according to the current schedule, will commit up to **96%** of the total budget (excluding staff and contingency) by end of 2018..



ADVANCE INFORMATION ON FORTHCOMING CALLS FOR TENDERS/
PRELIMINARY INQUIRIES

<https://www.eso.org/public/industry/cp/docs/CFT-advance.html>

236 28.03.2019 DOE

Development of Advanced Silver Coatings for Telescope Mirrors

The purpose of this Call for tender is to provide ESO with an advanced telescope mirror silver coating recipe with the highest overall reflectivity from 330 nm to 24 μm while offering long-term durability, although it can be easily stripped.

The scope of work of this contract includes the preparation of silver coated mirror samples and extensive characterization of their quality. Some of the samples will be provided to ESO for testing at our premises.

The Call for tender is scheduled to be issued in Q2/2019 to companies in ESO Member States.

The contract is planned to be awarded in Q3/2019 to the bidder which will have submitted a fully compliant tender and offered the best value for money for ESO taking into account the quality and price of the offer

Call for tender

Release date: 01.07.2019

Closing date: 16.09.2019



Laser Projection Subunits for the Extremely Large Telescope

Procurement for the design, manufacture, and supply of the ELT Laser Projection Subunits (LPS). The Laser Projection Subunits are precision opto-mechanical systems that condition and control the optical beams of the laser guide stars and project them onto the sky.

The scope of work includes:

- Preliminary and final design;
- Manufacturing, assembly integration and test;
- Delivery of the LPS to ESO HQ in Garching;
- Support for the first reintegration of a LPS system in Chile after shipping (carried out by ESO) to the ELT telescope site.

ESO plans to release a Request for Information (RFI) followed by a Preliminary Inquiry and a Call for tender (the two latter phases of the procurement might be combined). According to the current plan, the Preliminary Inquiry and Call for tender should be released in Q2 2019. The contract will be awarded to the bidder which will have submitted a fully compliant tender and offers the Best Value for Money for ESO, taking into account the quality and price of the offer.



129 11.11.2015 DOP/PMD

E-ELT In-situ Cleaning System for M1 Segments

The European Southern Observatory (ESO) is investigating if suitable methods for an in-situ cleaning of the M1 segments for the European Extremely Large Telescope (E-ELT) exist. In-situ meaning without dismounting the segments from the telescope. ESO is looking for companies, having promising hardware and processes capable of doing this, with any available technology.

Request for Information

4th Qtr. 2015

Call for tender

ON HOLD



ALMA upgrades



PABLO CARRILLO
photography & videography

