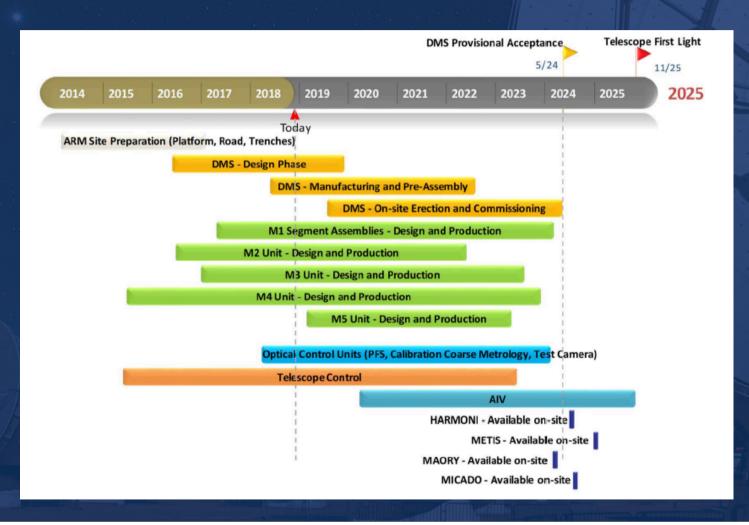




E-ELT Status and challenges



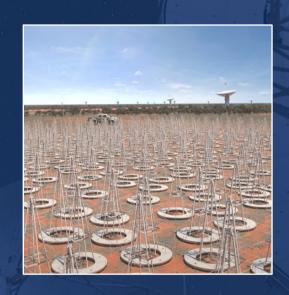
- Main contracts are placed
- Fighting to stay on schedule (DMS)
- Opportunities:
 - DMS
 - Vaccuum
 - Instruments
 - Mirror coating system
 - Control systems



The Square Kilometre Array (SKA) telescope



200 dishes in Sourth Africa



130 000 antennas in Australia



Advanced digital signal processing and supercomputers are key for performance

Will be the most powerful radiotelescope for the coming 50 years

The SKA Data Flow



Huge data sets

Central and Regional data centres

Driver for:

- Data handling methods
- Al algorithms for science analysis

The SKA status and challenges

- 13 countries including Sweden entering an Intergovernmental Organisation
- Chalmers/Onsala Space Observatory is Swedish coordinator
- Mature design, reviewed, ready for industrialisation and construction (~870 M€)
- Negotiations ongoing who will do what?
- Swedish funding: Operations covered (VR) if construction funding is achieved (~15 M€)
- Industrial return to Sweden:
 - Condition for funding.
 - Areas of Swedish technology lead and prototyping.