

United Nations/United Arab Emirates - High Level Forum: Space as a Driver for Socio-Economic Sustainable Development

capacity building in space arena and information management.

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Agenda

- Capacity building in Egypt,
- Infrastructure and space capacity,
- Space technology and applications- sustainable development perspective,
- Educational activities and human capital development
- Information management and data democracy



Capacity building in Egypt,

- Assembly, integration and testing center in new Cairo
- Planed to be fully functioning at Mid 2019





Infrastructure and space capacity,

- Egypt looking for an Egyptian space agency soon
- Egypt is looking for hosting the African space agency.

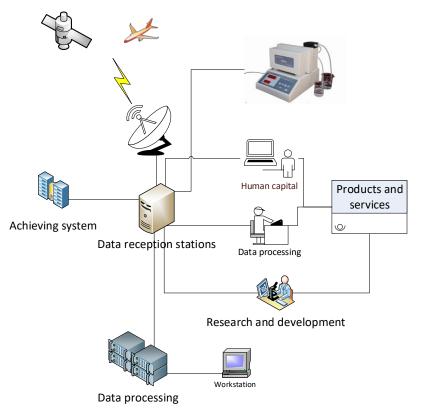






D&I Elements for Earth Observations

- Satellite data acquisition networks:
 - Earth observation
 - ground receiving stations
- Data processing –centers
- Data archiving
- Data dissemination and delivery
- In-situ networks





Space technology and applicationssustainable development perspective,

- Space economy:
 - Space creating economic growth
 - The importance of space activities for economic sustainable development
- Space society:
 - Benefitting of and social attention to state-of-art technologies and space based services
 - Extension of the socio-economic prospects and evolving social setting
- Space accessibility:
 - Capacity-building and enhanced access to space for everyone
 - Tools and platforms to facilitate more open and free access to and exchange of space-based data and information
 - More attention of the Governments to regulatory and legislative actions
- Space diplomacy: knowledge-based international partnerships
 - Cooperation in space can improve international relations
 - Use of space for improving international relations



Educational activities and human capital development

- University satellite project
- 13 local Egyptian university (243 students)
- Building Cubesat subsystems
- Supported by NARSS (technical and financial)
- Planed launching mid 2019
- Targets capacity building for human resources and students in space technology



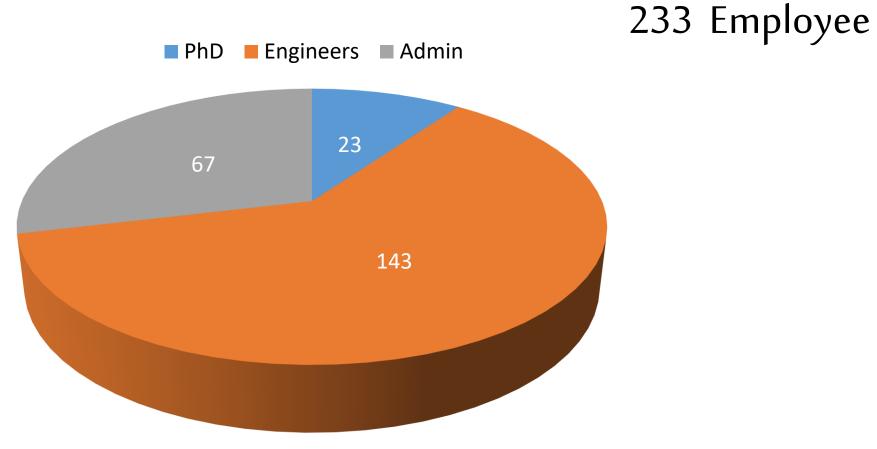


Information management and data democracy

- NARSS has GEO portal for data access and decision making support.
- Data is available for all researchers and students in universities and research centers.

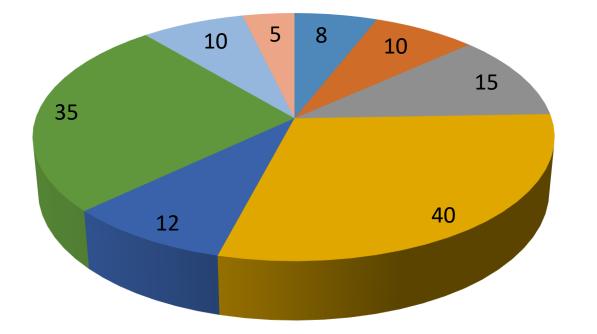


Human Resources



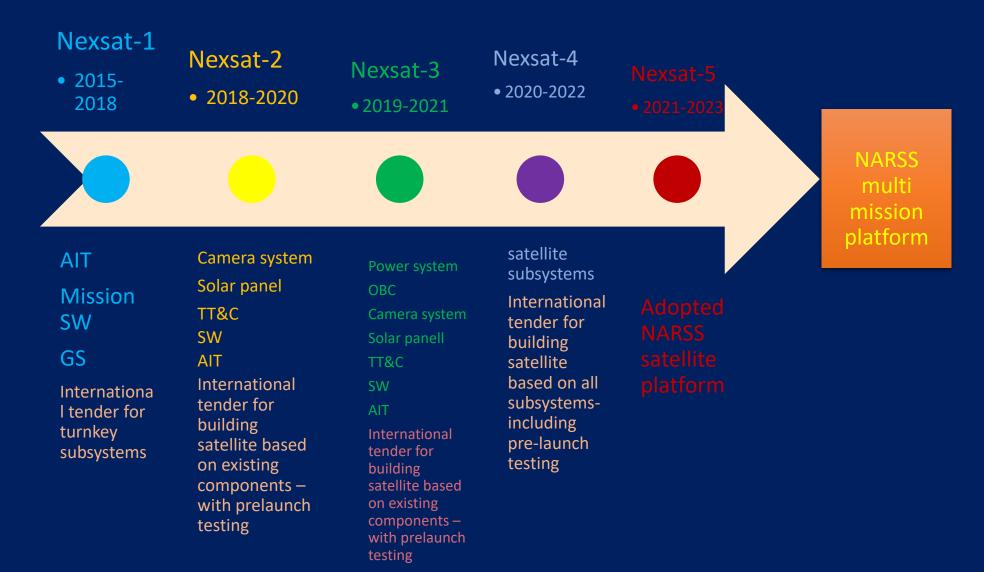


Specialization





Nexsat Roadmap





Egyptsat-1 engineering model







Concurrent design Center- CDC





Testing laboratory for electrical system

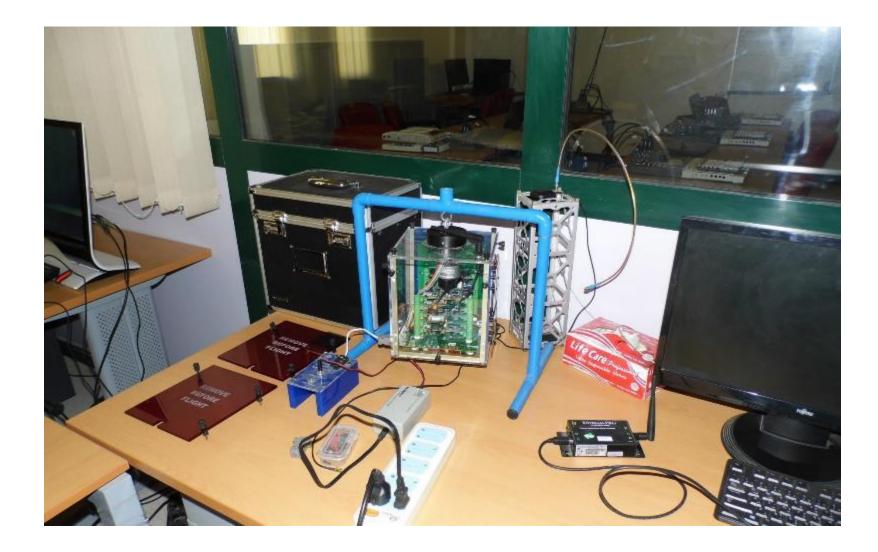








Cubesat Lab.





PCB inspection Lab.





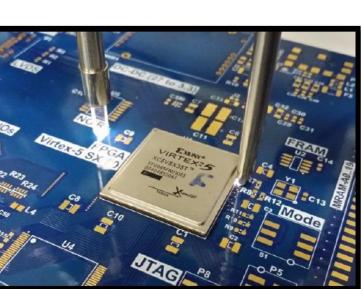
Payload lab.





Image and signal processing space systems lab.







Anechoic Chamber







Ground control station





Thank you