

Satellite Mission Control Center (MCC)



Services Provided:

- Managing satellite operation missions
- Determining how to process telemetry data received from the spacecraft and what data is transmitted to a spacecraft
- Determining how to process telecommands data received from the spacecraft and what telecommands is transmitted to the spacecraft
- Establishing and managing satellite communication sessions
- Receiving alert data from satellite s in anomalies faults
- Filtering redundant alert data
- Most functions are handled automatically, to increase efficiency

Samples from our Projects / Products:

MCC design and implementation of experimental satellite (NExSat-1)

- Satellite Planning Software
- Satellite Control Software
- Satellite Telemetry
- Satellite Data Base Software
- Satellite Orbit propagator software
- Satellite In flight control fault Identification and recovery software

Facilities Available:

- Ground control network interface design software
- Satellite Mission Control Center (MCC) design and implementation software
- Satellite operation and real time control system
- Satellite validation and qualification test software



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egsa.gov.eg

Global Online Education Website:
egsa-space-technology-portal.com

Part of our Facilities / Services:

Satellite control system software is a core and essential subsystem that provides operation control to satellite capabilities.



ID	Type	Name	Source	Comment #1	Project	Parent	Project URL	Update Date and Time	Execution Date and Time
101	Plan	Plan	101		101	101	101	10-12-2014 05:40:10	10-12-2014 05:40:10
102	Plan	Plan	102		102	102	102	10-12-2014 05:40:10	10-12-2014 05:40:10
103	Plan	Plan	103		103	103	103	10-12-2014 05:40:10	10-12-2014 05:40:10
104	Plan	Plan	104		104	104	104	10-12-2014 05:40:10	10-12-2014 05:40:10
105	Plan	Plan	105		105	105	105	10-12-2014 05:40:10	10-12-2014 05:40:10

The image shows our Telemetry Server Software. It collects information of the health and status of the entire satellite and its subsystems.

The purpose of telemetry software is to design and implement an extensible and adaptable Graphical User Interface (GUI) for viewing satellite telemetry subsystem.



Command Index	Command No.	Command Type	Command Ack.	packetCount
				0

The payload is a part of a satellite that allows it to fulfill a mission for which it has been designed. It represents the reason of the satellite existence.

Our system manages satellite imagery information and provides a simple and easy software for its manipulation.



And many others... Contact us to know more about our Services.