

MODULES

SPACE TECHNICAL
& ENGINEERING FUNDAMENTALS

End-to-end technical
and engineering space industry
fundamentals



1 to 3 day(s)



Middle program management,
operators and technicians

SATELLITE PROJECTS
& PROGRAMS MANAGEMENT

Space program management:
from business planning to risk
management assessment



1 to 2 day(s)



Executives, senior and middle
program management

SPACE LEGAL, REGULATORY
& SPECTRUM MANAGEMENT

Legal, regulatory and frequency
challenges impacting business
plans, investment and programs



1 to 3 day(s)



Executives, senior and middle
program management

SPACE INDUSTRY
& MARKET DYNAMICS

Space industry policy, market
perspectives and trends



1 to 2 day(s)



Executives, senior and middle
program management

KEY CUSTOMER
BENEFITS

- **Fully flexible** learning solutions, either customized or pre-packaged
- Access to a unique line-up of **seasoned industry experts** with extensive sectorial experience
- Combined access to the most appropriate set of **training venues, industry visits** and **curated support services**
- A **bespoke learning experience** enabling both demonstrable knowledge transfer and networking opportunities

A TAILORED LEARNING
ENVIRONMENT

Online e-learning
platform

Multilingual
courses available

Blended learning

Remote

In-house or
off-site

MODULE BREAKDOWN

1. SPACE TECHNICAL & ENGINEERING FUNDAMENTALS

- 1.1 General introduction to space missions
- 1.2 Space environment & associated constraints
- 1.3 Satellite system design, integration & tests
- 1.4 Satellite platform & subsystems
- 1.5 Quality control & assurance
- 1.6 Launch vehicles & satellite/launcher interfaces
- 1.7 Launch campaign & launch phase
- 1.8 Satellites control operations: From deployment to deorbitation
- 1.9 Satellite communications systems overview
- 1.10 Satellite communications systems: HTS
- 1.11 Satellite communications systems: Flexible & reconfigurable systems
- 1.12 Satellite communications systems: Constellations
- 1.13 Telecom satellite missions' operations
- 1.14 Satellite Earth observation systems overview
- 1.15 Satellite optical Earth observation systems
- 1.16 Satellite radar Earth observation systems
- 1.17 Space sector's professions & skills

2. SATELLITE PROJECTS & PROGRAMS MANAGEMENT

- 2.1 Satellite mission technical roadmap: From concept to operations
- 2.2 Satellite project business plan definition
- 2.3 Satellite project financing
- 2.4 Satellite program tender management
- 2.5 Satellite program contract negotiations & management
- 2.6 Satellite industrial contract management
- 2.7 Satellite program risk management & insurance

3. SPACE LEGAL, REGULATORY & SPECTRUM MANAGEMENT

- 3.1 Introduction to space laws & regulations
- 3.2 Satellite communications regulation
- 3.3 Satellite Earth observation regulation
- 3.4 Orbital resources regulation & management
- 3.5 Orbital debris regulation & management

4. SPACE INDUSTRY & MARKET DYNAMICS

- 4.1 Introduction to the global space industry & markets
- 4.2 Governments' space policies, governance & financing
- 4.3 Satellite manufacturing market & players
- 4.4 Space launch service market & players
- 4.5 Ground segment market & players
- 4.6 Satellite communications services market
- 4.7 Satellite Earth observation services market
- 4.8 Satellite navigation services market
- 4.9 "New space" markets & players

DESIGNED FOR



Government



Manufacturers



Satellite operators



Launch service providers



Service providers



\$ Financial institutions