



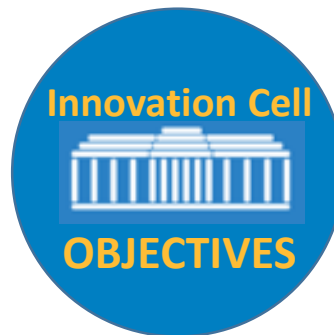
04 December 2019

Your safety is our mission.

Innovation & related activities

Manage & coordinate changes necessary to adapt the Agency activities and processes to innovation

Create a dynamic of innovation in the Agency and foster the sharing of innovation knowledge and information across domains



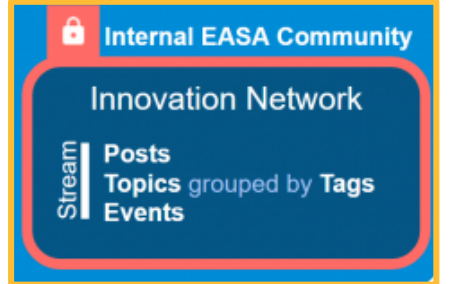
Support the Industry on innovation through partnerships.

We need to be
prepared for
the FUTURE



Set-up of an (internal) Innovation Network Community

100 EASA staff members



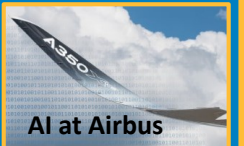
Objectives

- ⊗ Fostering “knowledge communities”
- ⊗ Sharing of knowledge and information
- ⊗ Encouraging cross-directorate / cross-domain collaboration on innovation
- ⊗ Supporting foresight/monitoring activities

Supported by an intranet based community tool

Organisation of thematic lectures on innovation →→

Set-up dedicated task forces to develop thematic roadmaps (i.e. Artificial Intelligence)





EASA

European Union Aviation Safety Agency

Partnership with Industry on Innovation 1



Memorandums of Cooperation on innovation

Establish a formal framework enabling....

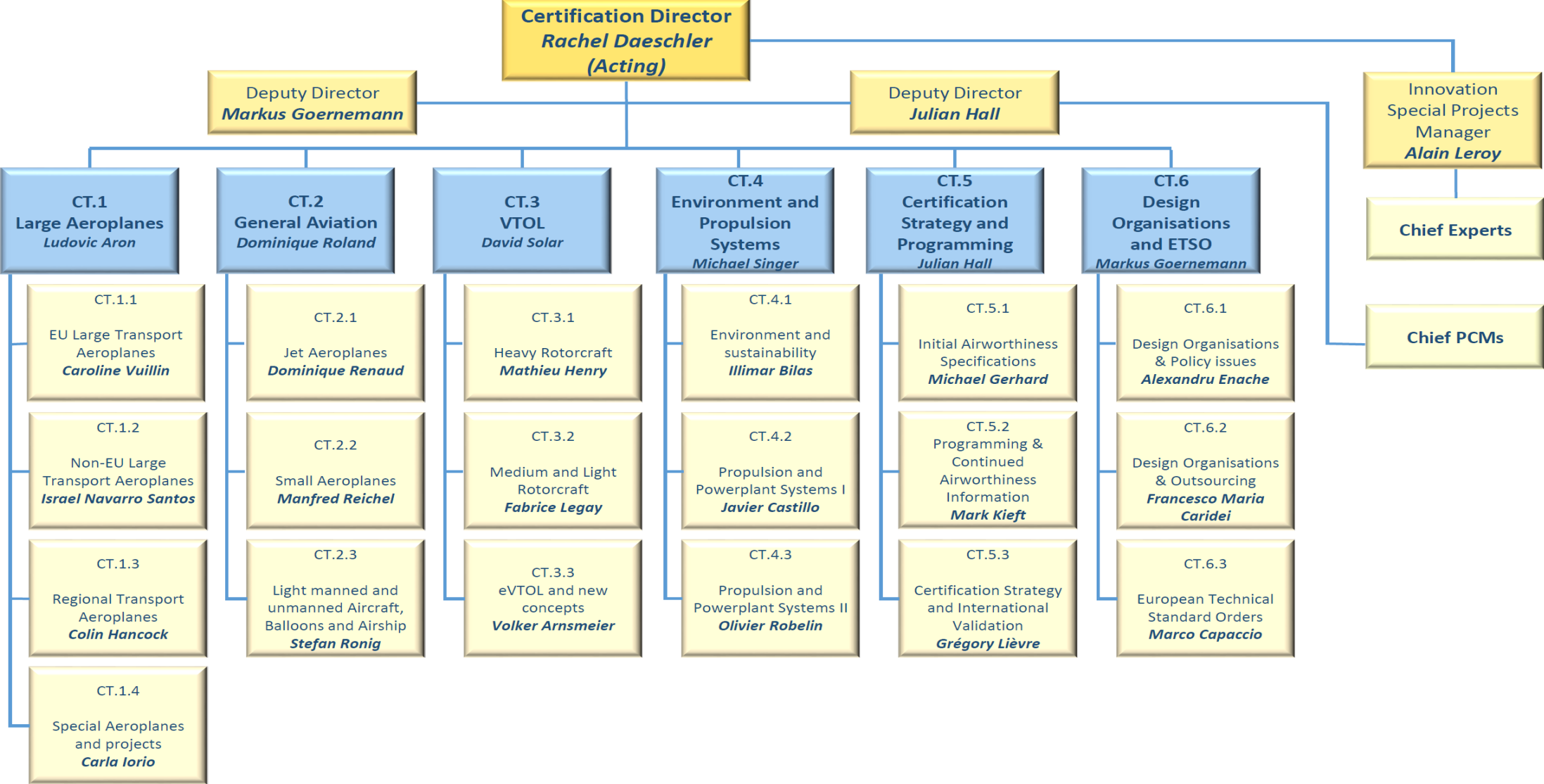
upstream
involvement
of EASA

- Cooperation in the early stages
- Identification of key risk areas linked to innovation projects
- Evaluate possible EASA support
- Adapt our processes, organisation, procedures, rules and staff competence plans to support innovative industry projects.

Possible related
tasks & actions

- Specific Innovation Partnership Contracts
- Workshops
- Research cooperation (PhD thesis, ...)
- Universities networking
- Exchanges of experts (limited period)
- Training

EASA CT Organizational Chart





European Union Aviation Safety Agency

Partnership with Industry on Innovation 2



Innovation Partnership Contracts

Cover the supply of technical knowledge and support within an innovation project to encourage the development of:

- novel technologies
- new business models
- new services



Focus on the exchange of expertise on a multi-disciplinary scale (certification, operation, crew qualification, ATM, etc...)

Address the concept development phase (feasibility)



do not cover any pre-certification task (this is done via Technical Advice Contracts)

Typical Current Major projects

Large Aeroplanes

VALIDATED



**Embraer ERJ 190-400
(E2)**

CERTIFIED



**Airbus A319neo
(fitted with CFM LEAP-1A)**

CERTIFIED



**Airbus A320neo ACJ
(Airbus Corporate Jet)**



ARRANO 1 engine series Safran



TC for Gulfstream GVII - G500

General Aviation

VALIDATED



**Garmin GFC500 Autopilot
(Thanks to Net Safety Benefit approach)**

CERTIFIED



**Tomark, Viper SD-4
Night-VFR**

VALIDATED



**Bombardier Global 7500
Derivative**



**Extra Aircraft
next-gen carbon-fibre NG**

2019 Ongoing TC projects (innovation related)



SuPAL-V X3-X3A



Subaru Aeromobil AM 4.0



Volocopter VC2-1



Lilium L4



SIEMENS Sunflyer Electric



SCHIEBEL CAMCOPTER S-100



Vertical Aerospace

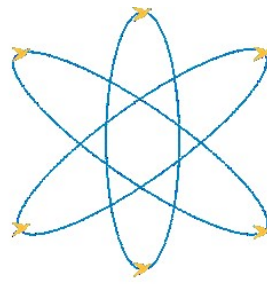


AGUSTAWESTLAND Tilt Rotor / AW609



Stratobus

Inr



Innovation Cell



Range of possible future products



VIMANA AAV



Sting VTOL



Terrafugia Transition



Dufour aEro2



Zenith Altitude EOPA



Moller M200 Skycar



Moller M400 Skycar



Pop.Up Next



Verdego Aero PAT200



Terrafugia TF-2



PteroDynamics Transwing



Terrafugia TF-X



Airbus CityAirbus



Skylis Airspeeder



SAMAD Starling Jet



Hoversurf Formula



AeroMobil 4.0 STOL



VRCO NeoXCraft



AeroMobil 5.0 VTOL



AIRIS AirisOne



XTI Trifan 600



Transcend Air Vy 400



VTOL Aviation India



JETcopter VTOL



ASX MOBi-ONE



Aurora Lightning Strike XV-24A



Autonomous Y6S



DeLorean Aerospace DR7



DIGI Droxi



Rolls-Royce eVTOL



Sabrewing Draco-2



Flyter 120-420



EVA X01



Flexcraft



JAXA Hornisse



Jetoptera Personal Drone



HopFlyt Venturi



Neoptera eOpter



Ray Civil VTOL Aircraft



Samson Sky Switchblade

Range of possible future products



Alauda
Airspeeder



Bartini Flying
Car



Boeing Cargo
Air Vehicle
(CAV)



Dekatone
Flying Car



UrbanAero
CityHawk



EAC Whisper



PAL-V



SkyPod



PAVX



Astro Elroy



Vertical
Aerospace
eVTOL



Koncepto
Millenya



Varon Vehicles
V200



Ghost X V 2.2



Imaginactive
Onyx



Volocopter
VoloCity



LIFT Hexa



easa.europa.eu/connect



Your safety is our mission.

An agency of the European Union 