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# NGAP Future of Aviation

Charles Bombardier

*Senior Advisor, ICAO*

Shenzhen/Dec 12





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## THE OBJECTIVE

‘Create and promote content and experiences that will inspire the next generation of aviation professionals.’

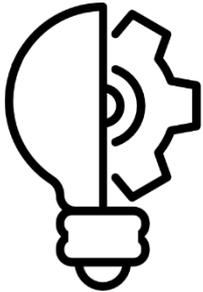


ICAO



## COLLABORATORS :

Inventors



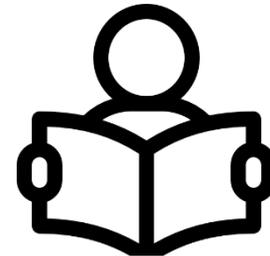
Designers



Scientists



Students





# FOCUS



- Children –  
Primary Schools



Sketches



- Teenagers –  
High School



3D Printed models



- Students –  
University



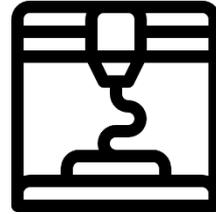
Prototypes



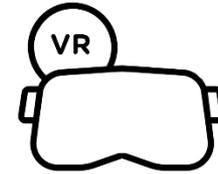
# CONTENT



HD IMAGES



3D MODEL



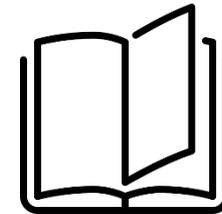
VR EXPERIENCE



ANIMATIONS



WEBSITE / CONTEST



BOOK



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OVER 200 IMAGES





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# VR EXPERIENCES

EXHIBITS

SCHOOLS

MUSEUMS



A woman with long brown hair is shown in profile, wearing a black VR headset. She is holding the headset with both hands, looking intently into the lenses. The background is a bright, warm orange and yellow gradient, overlaid with a dense field of small, semi-transparent square particles that create a digital or data-like atmosphere. The overall lighting is soft and focused on the woman's face and the headset.

**XPERIENCE!**



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# ANIMATE THE FUTURE...







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ICAO75



MENU 

ICAO2019



75 YEARS  
OF CONNECTING THE WORLD



DISCOVER AVIATION'S  
STORIED PAST



TAKE PART IN ITS  
EXCITING FUTURE

[icao.int/futureaviation/](https://icao.int/futureaviation/)



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# FUTURE AIRCRAFT DESIGNS AND COMPETITIONS

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**IDEAS COMPETITION**  
AGES 6-12



**CONCEPTS COMPETITION**  
AGES 13-17



**PROTOTYPES  
COMPETITION AGES 18  
AND OVER**



# STEP 1

## ICAO INNOVATION PORTAL PROJECT UPLOADER

×

Submitter Name

Submitter Age

Submitter Nationality

Submitter Email

# STEP 2

Project Name

Project Description

Please give a short description, how it works, and a potential market.

# STEP 3

Project Visuals

One image is fine, but you can include more if you like. File types supported: JPEG, PNG and MP4.

Choose file	Browse



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# ICAO BOOK Future of Aviation

## PROTOTYPES

## CONCEPTS

THE FUTURE OF AVIATION  
BY CHARLES BOMBARDIER



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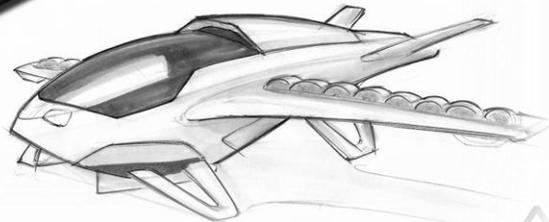
# ANNUAL BOOK

THE FUTURE OF AVIATION  
BY CHARLES BOMBARDIER

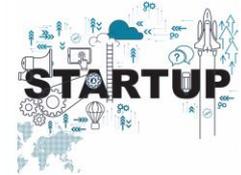


ICAO

TECHNICAL CO-OPERATION BUREAU  
NEXT GENERATION OF AVIATION PROFESSIONALS



AEROFEX Aero-X  
AURORA eVTOL3  
CARTIVATOR SkyDrive  
FLUTCYCLE Red Hummingbird  
HIROBO HX-1  
HORUS-UDES Horus  
OMNIBOARD Mark-1  
PARSIFAL PrandlPlane



Aeromobil Model 4  
Arca Anubard  
Arca Max 2CA  
Dedrone Aerospaco DR-7  
ERANG ERANG 184  
Hoversurf Drone Taxi  
Hoversurf Hoverbike  
Hybrid Air Vehicles Altitude 10  
Kitty Hawk Gora  
Kitty Hawk Flyer  
Leonardo Project Zero  
Lilium Lilium Jet  
Opener Black Fly  
Pala V PAI V One  
UBER Elevate and Skyport  
Volocopter Volocopter 2X  
XT Aircraft Xelis 400  
Zapata Flyboard Air



INDUSTRIAL DESIGNERS



CONCEPTS



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THANK YOU!

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