aicq
Associazione Italiana Cultura Qualità
Settore Aerospace

aicq
Associazione Italiana Cultura Qualità
Piemontese

Politecnico di Torino

Terzo convegno Nazionale
QUALITÀ NELL'AEROSPACE

Sfide, Risultati e Opportunità
della Qualità nella Space Economy

FROM RACE TO SPACE

Diego Cagna

11-12 NOVEMBRE 2026 TORINO

Sabelt is a leading designer, developer and manufacturer of high-performance seats for sports and racing cars and seat belts for the automotive, motorsport and aerospace industries.

.



YEARS
OF ACTIVITY
>50

NUMBER OF
EMPLOYEES
370

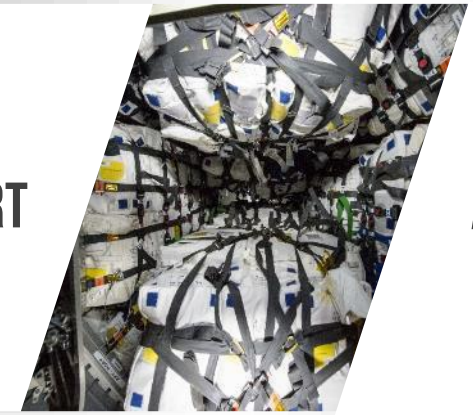
NUMBER OF
PLANTS
5



OEM



MOTORSPORT



AEROSPACE

Sfide, Risultati e Opportunità della Qualità nella Space Economy

1972

Piero and Giorgio Marsiaj founded Sabelt. Sabelt stands for “Safety Belt”

70’S

Market leader in the production of car seat belts

80’S

Global dimension by joining TRW Corporation

90’S

Sabelt expands its product range in motorsport

2000

First OEM seat for Ferrari, McLaren, Abarth, Alpine, etc.

2010

The company's core business is expanded with aerospace

TODAY

370 employees

5 plants and growing













Sfide, Risultati e Opportunità della Qualità nella Space Economy

aicq Associazione Italiana Cultura Qualità Settore Aerospace
aicq Associazione Italiana Cultura Qualità Piemontese
Politecnico di Torino



M0 PLANT

HEADQUARTERS + OEM SEAT PRODUCTION
MONCALIERI, TORINO, ITALY

- OEM Seat production
- Research & Development

M1 PLANT

TESTING + RACING SEAT PRODUCTION
MONCALIERI, TORINO, ITALY

- Racing seat production + seatbelt and harnesses production
- Trim cover production
- Testing & Prototypes

USA OFFICE

COMMERCIAL UNIT
FLORIDA

- Racing Motorsport
- New business development

SABELT COMPOSITE

COMO, ITALY

- RTM Technology for CF and GF
- Trimming Machine
- Moulding

TUNISIE PLANT

TRIMMING OPERATION
SOUSSE,TUNISIE

- Trim cover production

SABELT METAL

MONCALIERI, TORINO, ITALY

- Welding
- Assembly & Punching
- Metal Stamping

Sfide, Risultati e Opportunità della Qualità nella Space Economy

CLEAN POWER GENERATION

REDUCE IMPACT

ETHICAL GOVERNANCE

INNOVATION & AI

PEOPLE AND TERRITORY





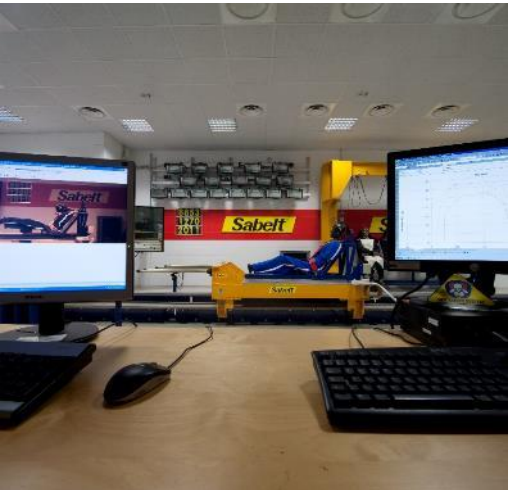




La QUALITÀ nell'AEROSPACE

Le sfide e i risultati

- INTERNAL DYNAMIC CRASH TEST
- MULTIUTILITY ROBOT FOR DURABILITY TEST
- STATIC TESTING EQUIPMENT
- SIDE AIRBAG VALIDATION CHAMBER











OEM

NUMBERS

>60K
UNITS PRODUCTION CAPACITY

>200
WORKFORCE

>20
CLIENTS

From Motorsport to Premium Sport Seats.
We develop and produce seats and seatbelts for high performance cars

DIVERSIFIED CUSTOMER BASE







MOTORSPORT

World leader in motorsport safety with decades of experience. Provider of high-performance **seating**, **technical racewear** and **safety systems** engineered to meet the rigorous **FIA standards** and perform under the most extreme racing conditions

OFFROAD | RACING | FORMULA

SEATBELTS & HARNESSES

FIA & SFI homologated for racing use

SEAT

FIA homologated for racing use

TECHNICAL RACEWEAR

FIA & SFI homologated for racing use: Suits, Shoes, Gloves Underwear







AEROSPACE

Sabelt develops and implements new technologies for niche markets, where customized products are requested: seatbelts – foams – space habitation

- AVIATION
- SPACE
- TRANSPORTATION





- MAXIMUM SAFETY
- COST CONTROL
- EXTREME ENVIRONMENT
- TECHNOLOGY DRIVEN
- BEST PERFORMANCE
- LIGHTNESS
- SUSTAINABILITY





850

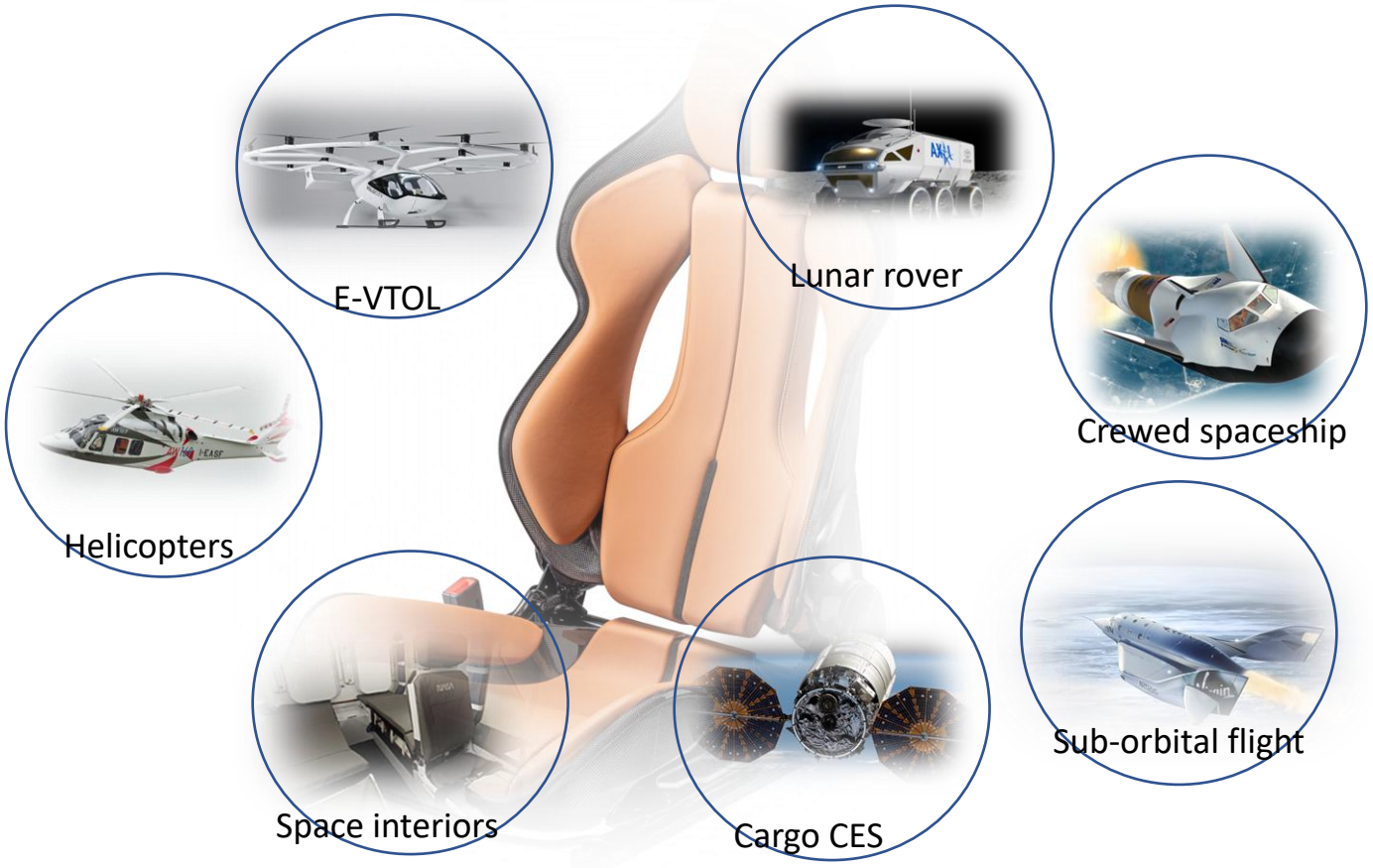
Over 50% of weight reduction thanks to innovative high tenacity fibers developed for Motorsport and high-performance applications **transferred to space and aviation market** to meet the rigorous **international standards** and perform under the most extreme conditions



440



Moving processes and systems from automotive to other applications, we improved the quality system making possible the compliance with different requirements, approach and targets. The basic concept of integrated seat and seatbelts moved to any possible application in space, air, water or land, everywhere the safety come first.



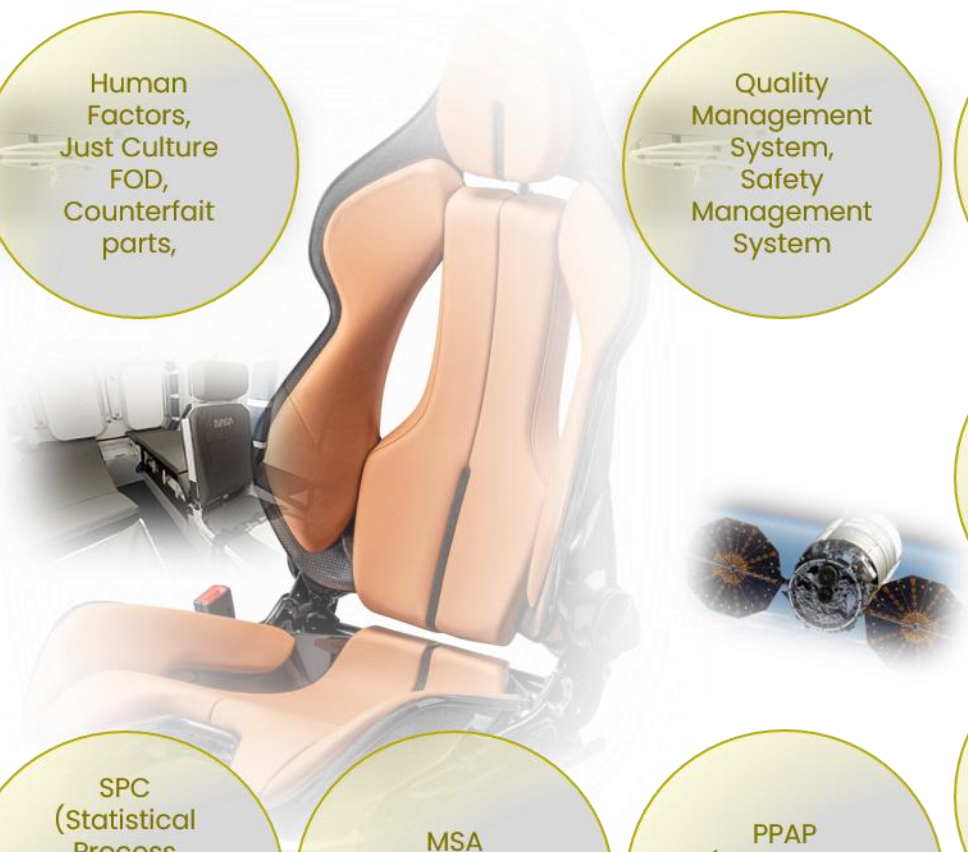
Quality Systems - Core Tools and Methodologies: adapting Automotive best practices to Aerospace programs

Supply-Chain management and qualification

Human Factors, Just Culture FOD, Counterfait parts,

Quality Management System, Safety Management System

Program Management and Simultaneous engineering



Supply-Chain management and qualification

Program development according to APQP (Advanced Product Quality Planning)

Non Conformity management 8D Analysis, Lesson Learned

SPC (Statistical Process Control), Poka-Yoke, COP, visual inspection

MSA (Measurement System Analysis)

PPAP (Production Part Approval Process)/ FAI

FMEA/ FMECA product/ process risk analysis

La QUALITÀ nell'AEROSPACE

Le sfide e i risultati

aicq Associazione Italiana Cultura Qualità Piemontese

aicq Associazione Italiana Cultura Qualità Settore Aerospazio

Politecnico di Torino

EASA AP/DOA 488



EASA

EASA.AP488
Issue 1

Sabelt S.p.A.

Procedures demonstrating capability for design

EASA finding of compliance – AP488

1 Company name and address:

Sabelt S.p.A.
Corso Stati Uniti 41
10129 Torino (TO)
Italy

2 Design approval case for which the Company applied for an alternative procedure to DOA:

Eligibility	
ETSOA	
ETSO-C114	Torso Retraint Systems

3 Reference of Procedures:

Reference	*Title*	*Issue/Date*
SA.DO-00	Alternative Procedures to Design Organisation Approval Manual	Issue 01, 18/12/2018

4 Statement of DOATL having checked the procedures

I hereby state technical approval of the procedures referenced above as meeting the requirement of 21.A.602B(b)(2).

Name: Buelent PEHLIVAN

Signature:

Date: 18/12/2018

5 Approval:

Name: Francesco Maria CARIDEI

Position: Design Organisations Department Section Manager

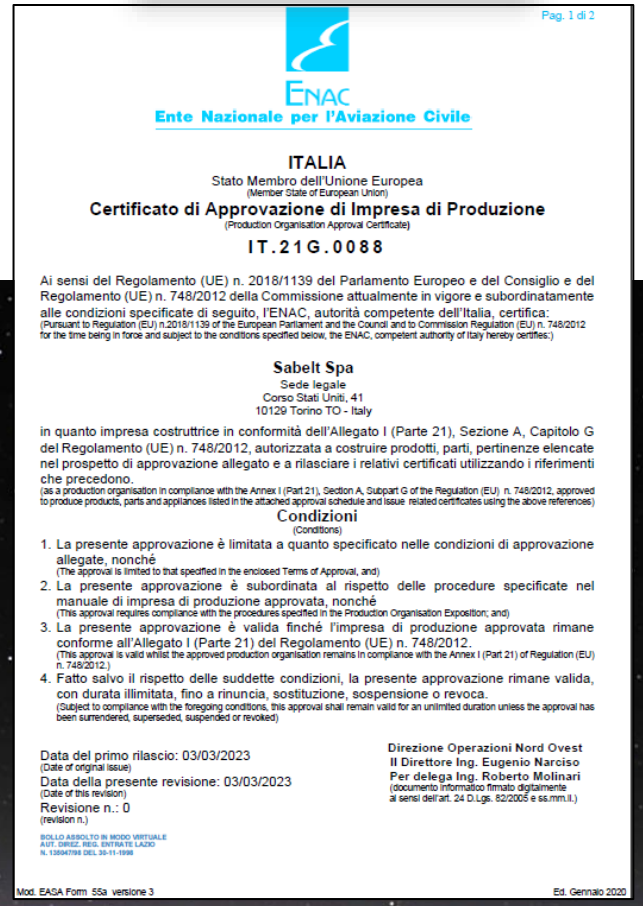
Signature:

Date of issue: 18/12/2018

TE.DOA.00084-002 © European Aviation Safety Agency. All rights reserved. ISO9001 Certified.

Page 1 of 1

EASA POA Part 21G



Pag. 1 di 2

ENAC
Ente Nazionale per l'Aviazione Civile

ITALIA
Stato Membro dell'Unione Europea
(Member State of European Union)

Certificato di Approvazione di Impresa di Produzione
(Production Organisation Approval Certificate)

IT.21G.0088

Ai sensi del Regolamento (UE) n. 2018/1139 del Parlamento Europeo e del Consiglio e del Regolamento (UE) n. 748/2012 della Commissione attualmente in vigore e subordinatamente alle condizioni specificate di seguito, l'ENAC, autorità competente dell'Italia, certifica:
(Pursuant to Regulation (EU) n.2018/1139 of the European Parliament and the Council and to Commission Regulation (EU) n. 748/2012 for the time being in force and subject to the conditions specified below, the ENAC, competent authority of Italy hereby certifies:)

Sabelt Spa
Sede legale
Corso Stati Uniti, 41
10129 Torino TO - Italy

in quanto impresa costruttrice in conformità dell'Allegato I (Parte 21), Sezione A, Capitolo G del Regolamento (UE) n. 748/2012, autorizzata a costruire prodotti, parti, pertinenze elencate nel prospetto di approvazione allegato e a rilasciare i relativi certificati utilizzando i riferimenti che precedono.
(as a production organisation in compliance with the Annex I (Part 21), Section A, Subpart G of the Regulation (EU) n. 748/2012, approved to produce products, parts and appliances listed in the attached approval schedule and issue related certificates using the above references)

Condizioni
(Conditions)

1. La presente approvazione è limitata a quanto specificato nelle condizioni di approvazione allegate, nonché
(The approval is limited to that specified in the enclosed Terms of Approval, and)
2. La presente approvazione è subordinata al rispetto delle procedure specificate nel manuale di impresa di produzione approvata, nonché
(This approval requires compliance with the procedures specified in the Production Organisation Exposition; and)
3. La presente approvazione è valida finché l'impresa di produzione approvata rimane conforme all'Allegato I (Parte 21) del Regolamento (UE) n. 748/2012.
(This approval is valid whilst the approved production organisation remains in compliance with the Annex I (Part 21) of Regulation (EU) n. 748/2012.)
4. Fatto salvo il rispetto delle suddette condizioni, la presente approvazione rimane valida, con durata illimitata, fino a rinuncia, sostituzione, sospensione o revoca.
(Subject to compliance with the foregoing conditions, this approval shall remain valid for an unlimited duration unless the approval has been surrendered, superseded, suspended or revoked)

Data del primo rilascio: 03/03/2023
(Date of original issue)
Data della presente revisione: 03/03/2023
(Date of this revision)
Revisione n.: 0
(revision n.)

BOLLO ASSOLTO IN MODO VIRTUALE
AUT. DIREZ. REG. ENTRATE LAZIO
N. 138047798 DEL 30-11-1998

Direzione Operazioni Nord Ovest
Il Direttore Ing. Eugenio Narciso
Per delega Ing. Roberto Molinari
(documento informatico firmato digitalmente ai sensi dell'art. 24 D.Lgs. 82/2005 e ss.mm.ii.)

Mod. EASA Form 55a versione 3

Ed. Gennaio 2020

EN 9100



DNV

MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:	Initial certification date:	Issue Date:	Expiry Date:
0660754	02 March 2026	02 March 2026	01 March 2029

This is to certify that the management system of

SABELT S.p.A.
Via Guido Rossa, 10/12 - 10024 Moncalieri (TO) - Italy

has been found to conform to the Quality Management System standards:
EN9100:2018 and ISO 9001:2015
(technically equivalent to AS9100D and JISQ9100:2016)

and has been audited in accordance with the requirements of EN 9104-001:2013 and ACCREDIA Technical Regulation RT-18.
DNV Business Assurance Italy S.r.l. is accredited under the Industry Controlled Other Party (ICOP) Scheme.

Type of certification structure: Single Site

This certificate is valid for the following scope:
Design, production and marketing of components for passive safety in the aeronautical sector.

Progettazione, produzione e commercializzazione di componenti per la sicurezza passiva in ambito aeronautico.

Place and date:
Vimercate (MB), 02 March 2026

ACCREDIA

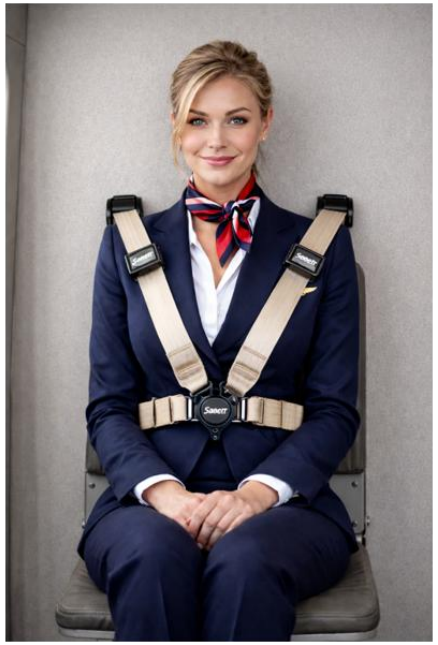
For the accredited unit:
DNV - Business Assurance
Via Energy Park, 14 - 20871 Vimercate (MB) - Italy

Zeno Beltrami
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV Business Assurance Italy S.r.l., Via Energy Park, 14 - 20871 Vimercate (MB) - Italy - TEL: +39 039 68 99 905. www.dnv.it



MOTORSPORT ON BOARD OF AIRBUS A-320-330-340-350
Sabelt is now **DOA** and **POA** approved company
Innovation for **LIGHTNESS** and quick functionality
Full **METAL ROTARY BUCKLE** for best safety and durability
4 points retractor seatbelts for **1135 g** (cabin attendant)
Supplied to Safran, Airbus, Leonardo









SBR ROTARY BUCKLE SEATBELT

- APPROVED ECE16R FOR ROAD USE
- SBR TECHNOLOGY
- LOAD LIMITER STITCHING
- MOTORSPORT QUICK RELEASE BUCKLE
- FIRST ELECTRIC ROTARY BUCKLE IN THE WORLD
- POSSIBLE APPLICATION WITH HUMAN LIFE PARAMETER SENSORS







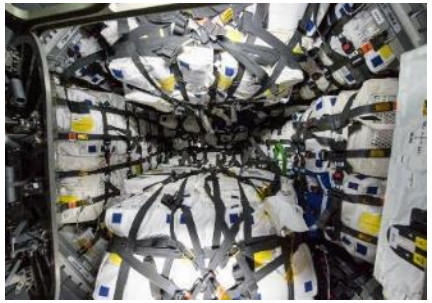
SABELT HELICOPTER SEAT FOR LEONARDO

a lightweight, crashworthy solution developed to meet the highest aerospace standards.

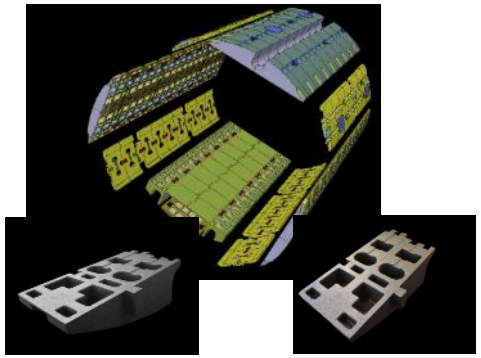


La QUALITÀ nell'AEROSPACE

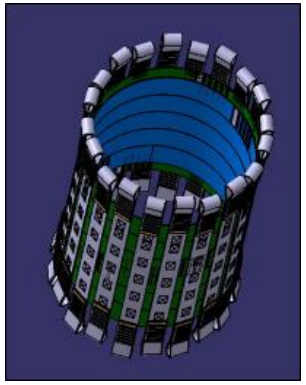
Le sfide e i risultati



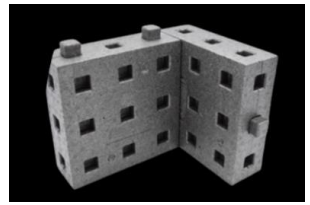
SPACE
CARGO NETS



EPP FOAM
SUPPORT



HIGH PRESSURE
FOLDABLE TANK RETAINING





THE SPACE BRICK
(PATENTED BY SABELT)

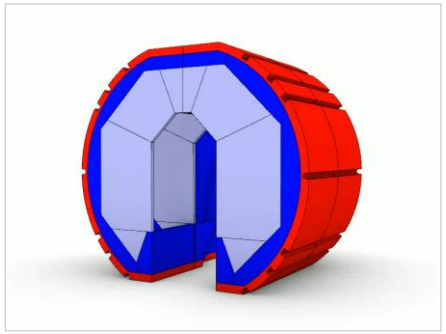


La QUALITÀ nell'AEROSPACE

Le sfide e i risultati



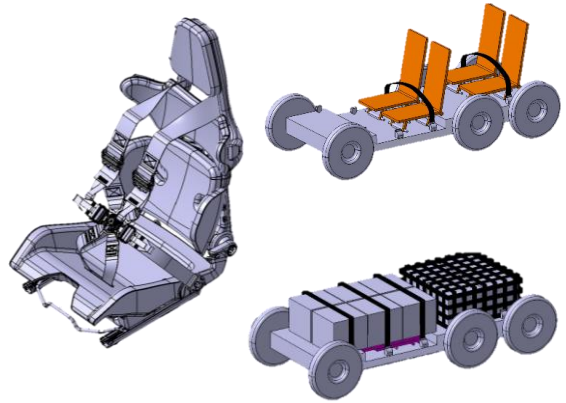
MOCK-UP NOTT



MOCK-UP SPACE HOME



PROTECTION COMPOUND



ROVER SEATS AND SEATBELTS



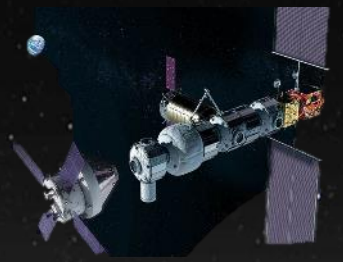
La QUALITÀ nell'AEROSPACE

Le sfide e i risultati

COMMERCIAL RESUPPLY SERVICE – PRIVATE REFURBISH OF THE INTERNATIONAL SPACE STATION



ARTEMIS – LUNAR STATIONS ON ORBIT AS EXPLORATION MISSION SPACEPORT



LUNAR EXPLORATION, URBAN VILLAGE HABITATION AND MOBILITY VEHICLE

