





LOCATION - CZECH REPUBLIC

Kunovice - Company Headquarters



HISTORY

1970 Aerotechnik established

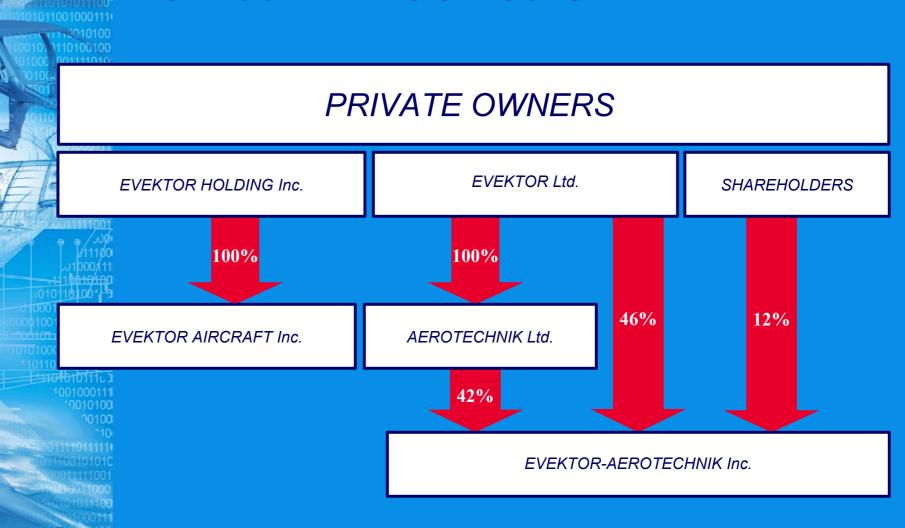
1991 Evektor Ltd. established (design and engineering)

1996 Evektor became 100% owner of Aerotechnik CZ Ltd.

1999 Evektor - Aerotechnik Inc. established



LEGAL COMPANIES STRUCTURE

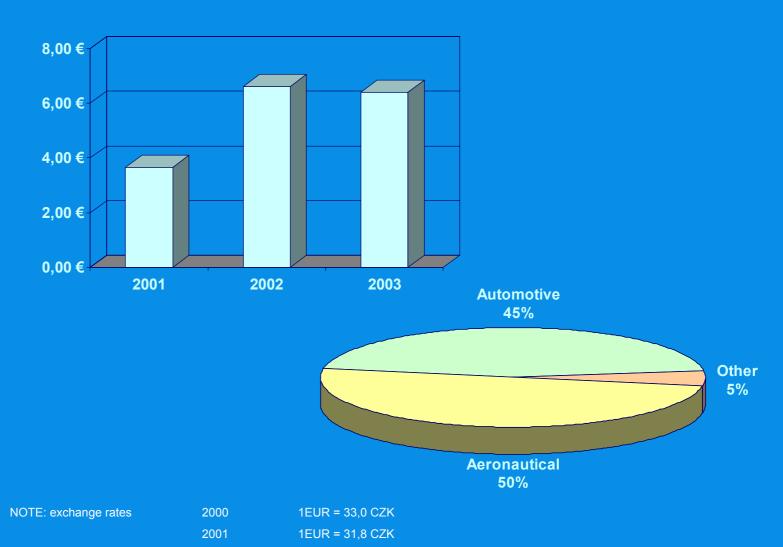






FIGURES – SALES [mil. €]

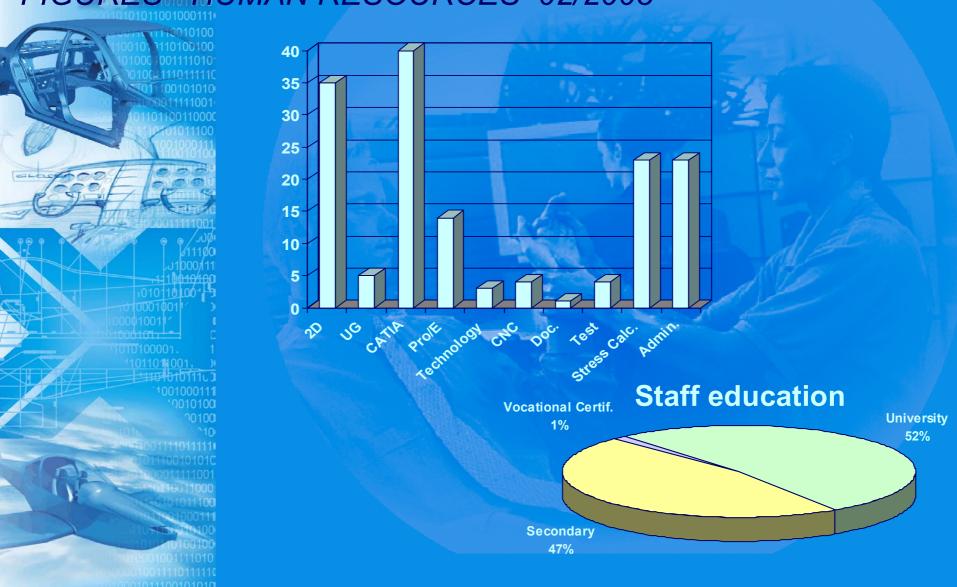
2002



1EUR = 30,0 CZK









DESIGN ACTIVITIES



AUTOMOTIVE

GENERAL

Airframes

Car bodies

Design studio

Interiors

Doors

Technology

Mechanisms

Plastic material forms

Plastic material parts

Jigs, tools, fixtures - molding, assembly, welding, manipulation

Complete aircraft development cover JAR/FAR-23, JAR-VLA

Batch stamping tools







DESIGN ACTIVITIES - ANALYSES

CLASSICAL METHODS

FINITE ELEMENTS METHOD

Aircraft loads

Linear analyses

Thin-walled structures

Solid models

"Hand" calc.

Non-linearities - material, geometrical

Weights

Plastic parts analyses

Mechanism

Stamping simulations

Fatigue

Dynamics

Flow - inner, outer

Tests planning

Optimization

Certification reports

Crash





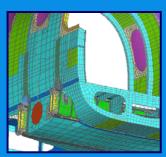


- Design and development
- Stress analyses and mass optimization
- Visualization
- Detailed part models
- Assembly models
- Production of drawing documentation according to the specific customer requir.

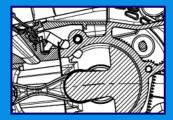
















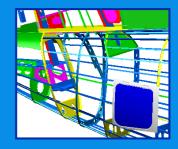
DESIGN CAPABILITIES

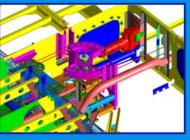
- **3D DESIGN SW**
 - CATIA (33+)
 - **UNIGRAPHICS (4)**
 - PRO/ENGINEER (18)
 - ICEM SURF (2)
 - Mechanical Desktop (3)

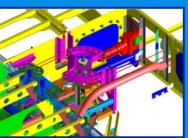


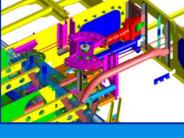












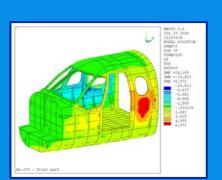




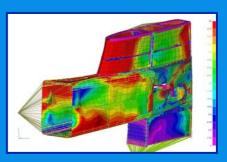
DESIGN CAPABILITIES

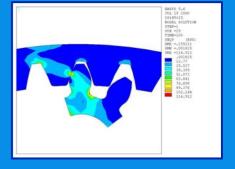
ANALYSES SW

- Patran/Nastran
- ANSYS
- ANSA
- FEMAP
- MEDINA
- Autoform
- Animator
- SAVLE
- Mathlab, Mathcad













INDUSTRIALIZATION

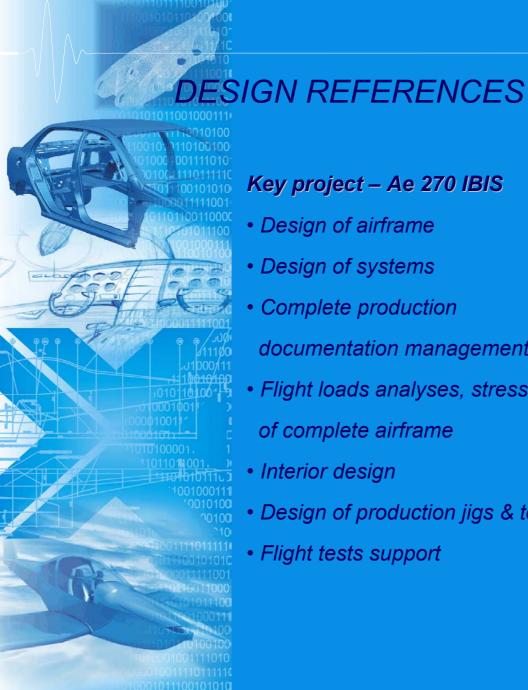
- Technology, job cards
- Prototype tooling
- Serial jigs and tools
- Assembly, welding jigs
- Manipulation, check jigs
- Stamping and forming tools
- Production lines
- CNC machining programs







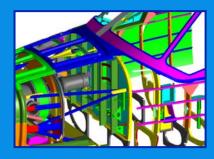








- Design of airframe
- Design of systems
- Complete production documentation management
- Flight loads analyses, stressing of complete airframe
- Interior design
- Design of production jigs & tools
- Flight tests support









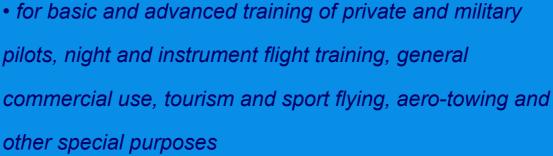






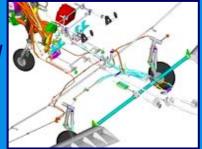


• new generation of four-to-five seat, all metal, JAR-23 / FAR 23 aircraft with retractable landing gear



• complete development and production preparation









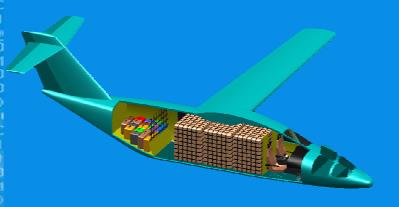


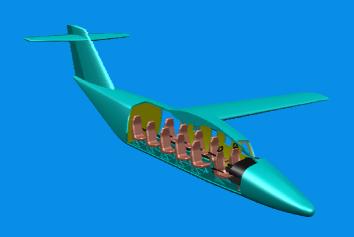


•EV-55

New generation 9/14 seat turboprop -project in design and development phase









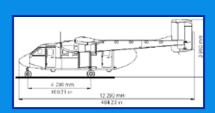


Finished project - Raven 257

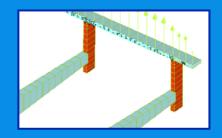
- Complete design and development based on customer ideas
- Flight loads analyses, stressing of complete
- Design of production jigs & tools
- Initial flight tests





















EV-97 TeamEurostar

- Complete design and development
- Production documentation mngmnt
- Design of production jigs & tools
- Complete stress tests
- Complete flight tests
- Over 300 units delivered
- 10 planes monthly













- Complete design and development
- Production documentation management
- Flight loads analyses, stressing
- Design of production jigs & tools
- Stress test planning
- Complete flight tests
- Certification proces management
- **CERTIFIED!!!**



















- L 610
- L 13/23 Blanik
- L 33 Solo
- ZLIN
- L 159 ALCA







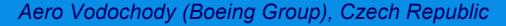












ANDREAS STIHL AG & Co. KG, Germany

AUDI – Sparte Werkzeugbau, Germany

E.I.S. Aircraft GmbH, Germany

IBIS AEROSPACE Ltd., International

Marshall Aerospace, Great Britain

SOCATA, France

Škoda Auto a.s., Czech Republic

Vulcan Air S.p.A., Italy

WALTER a.s., Czech Republic

WEBA GmbH, Austria

VW Werkzeugbau, Wolfsburg, Germany

Wolfsberg Aircraft NV, Belgium

Letecká továrna, s.r.o., Czech Republic































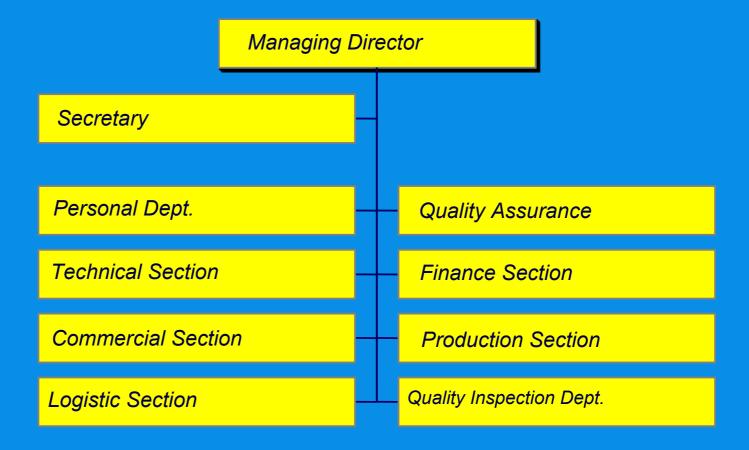


XEVEKTOR - AEROTECHNIK





ORGANISATION CHART







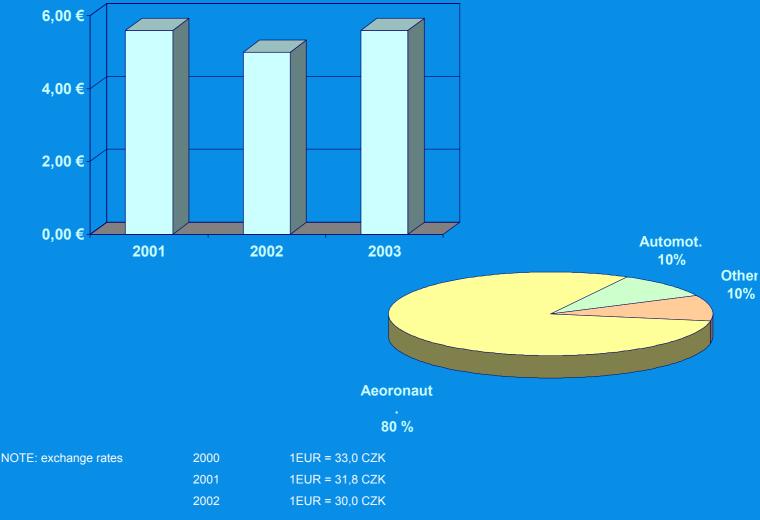
AEROSPACE ACTIVITIES

- PRODUCTION CYCLE
 - UL aircraft design and development
 - Prototyping of airframes, assemblies and detail parts
 - Serial production
 - Jigs and tools production
- CURRENT AFFAIRS
 - EV-97 Eurostar and Ae-270 serial production
 - Harmony test operation
 - Tooling for other customers (SIWE, AERO, EIS, ...)





FIGURES - SALES [mil. €]







APPROVALS

- Product Organization Approval according to JAR 21 Subpart G for production of aircraft products, parts and appliances
- ISO 9001 certificate issued by KEMA Registered Quality
- CAA approvals for maintenance and repair, testing and design





• Ae 270 IBIS

Small multipurpose turboprop

Production of

- rear part of fuselage
- fin, rudder
- doors
- control system parts

















Harmony VLA

Light sport aircraft certified according to JAR-VLA

- -complete design and development -prototype production



Light/microlight all-metal two seater

- -complete design and development -serial production over 300 delivered
- 10 planes monthly









SportStar

Light sport two seat aircraft/trainer
Designed according to LSA proposed
requirements
- complete design and development
- serial production



VUT100 Cobra

Four-to-five seat JAR-23/FAR-23 aircraft

- complete design and developmentunder prototypingserial production planned for 2006



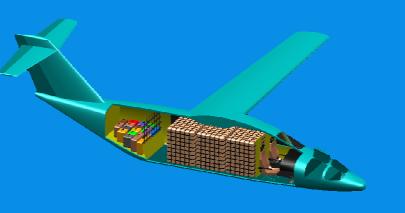


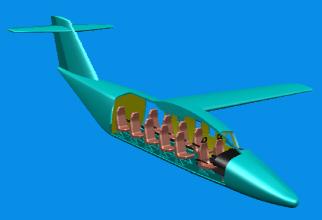


•EV-55

New generation 9/14 seat turboprop -project in design and development phase of Evektor









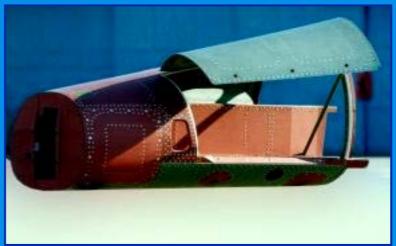


Wolfsberg-Evektor Raven 257

Small multi-role transport aircraft
- complete design and
development
- production of fuselage, pylons
and tail unit and final assembly

 Aero Vodochody **L 159 ALCA** Advanced Light Combat Aircraft -airframe development and fuselage nose production





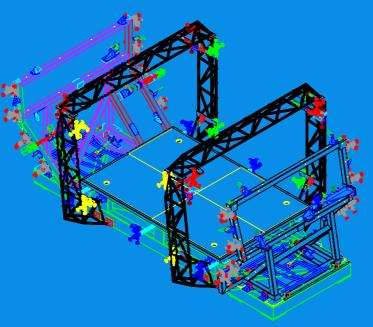




• Marshall Aerospace, UK

Tooling

- design and manufacturing assembly tools and moving line for the B747 Auxiliary Fuel Tank Program









- design and manufacturing tools and prototype production of horizontal tail unit







MANUFACTURING CAPABILITIES

PRODUCTION

CNC Turning

dia. 200mm, length 500mm (short-run production)

"dia. 56mm, length 60mm (large-lot production)







INDEX ABC 36

TAJMAC MCFV2080

FV 30 CNC

CNC Milling

2030×810, height 810mm (controlled by SIEMENS)

#600×300, height 110mm (controlled by HEIDENHEIN)



MANUFACTURING CAPABILITIES

PRODUCTION

CNC Measuring 1500×800, height 700mm



WENZEL LH 87 1 3D



DETAIL OF WENZEL LH 87 1 3D



PC CONTROL UNIT OF WENZEL LH 87 1 3D

Others

- Heat treatment of steel and Al-alloy parts
- Welding by TIG, MIG, MAG
- Production of aircraft assemblies



TESTING CAPABILITIES



- Static tests
- Flight tests
 - flight performances
 - flight characteristics
 - aircraft systems
- Ground tests
- Laboratory tests









EV-AT REFERENCES

Aero Vodochody (Boeing Group), Czech Republic ANDREAS STIHL AG & Co. KG, Germany E.I.S. Aircraft GmbH, Germany Marshall Aerospace, United Kingdom Škoda Auto a.s., Czech Republic Vulcan Air S.p.A., Italy Wolfsberg Aircraft NV, Belgium Letecká továrna, s.r.o., Czech Republic ACR, Germany IKARUSFLUG, Germany Moravan, Czech Republic Technometra, Czech Republic Socata, France Labinal, France Jihlavan, Czech Republic





COMMUNICATION

- Internet 192 kb/sec
- Virtual Private Net 64 kb/sec
- E-mail (max. 10 MB/file), FTP (up to 600 MB)
- ISDN line 64 kb/sec





CONTACT

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Design Production

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+420 572 537 323

Fax: +420 572 537 901 Fax: +420 572 537 910

Kunovice Airport coordinates:

Geographical coordinates of airport reference point AFTN Allowed mode of operation (IFR/VFR)

MET service room Airport control 49 01 48 N 17 26 30 E , RWY 03C/21 C LKKUZTZX IFR/VFR +420 572 564 105, 817 630 +420 572 564 131, 817 600