



UNIVERSITY OF ŽILINA - SLOVAKIA

AERONAUTICAL RESEARCH NICHE AREAS – OPPORTUNITIES FOR THE SMALL

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UNIVERSITY OF ŽILINA - SLOVAKIA

SLOVAKIA BEFORE THE SECOND WORLD WAR

AGRICULTURAL COUNTRY



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AFTER THE II. WW - INDUSTRIALISATION PROGRAMME

MILITARY AEROSPACE SECTOR





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POLITICAL DECISIONS:

HAVEL – FACTORIES CLOSURE

MEČIAR – „WILD“ PRIVATISATION

DZURINDA – POLITICAL „MANAGERS“



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AEROSPACE EDUCATION

NARROW SPECIALISTS

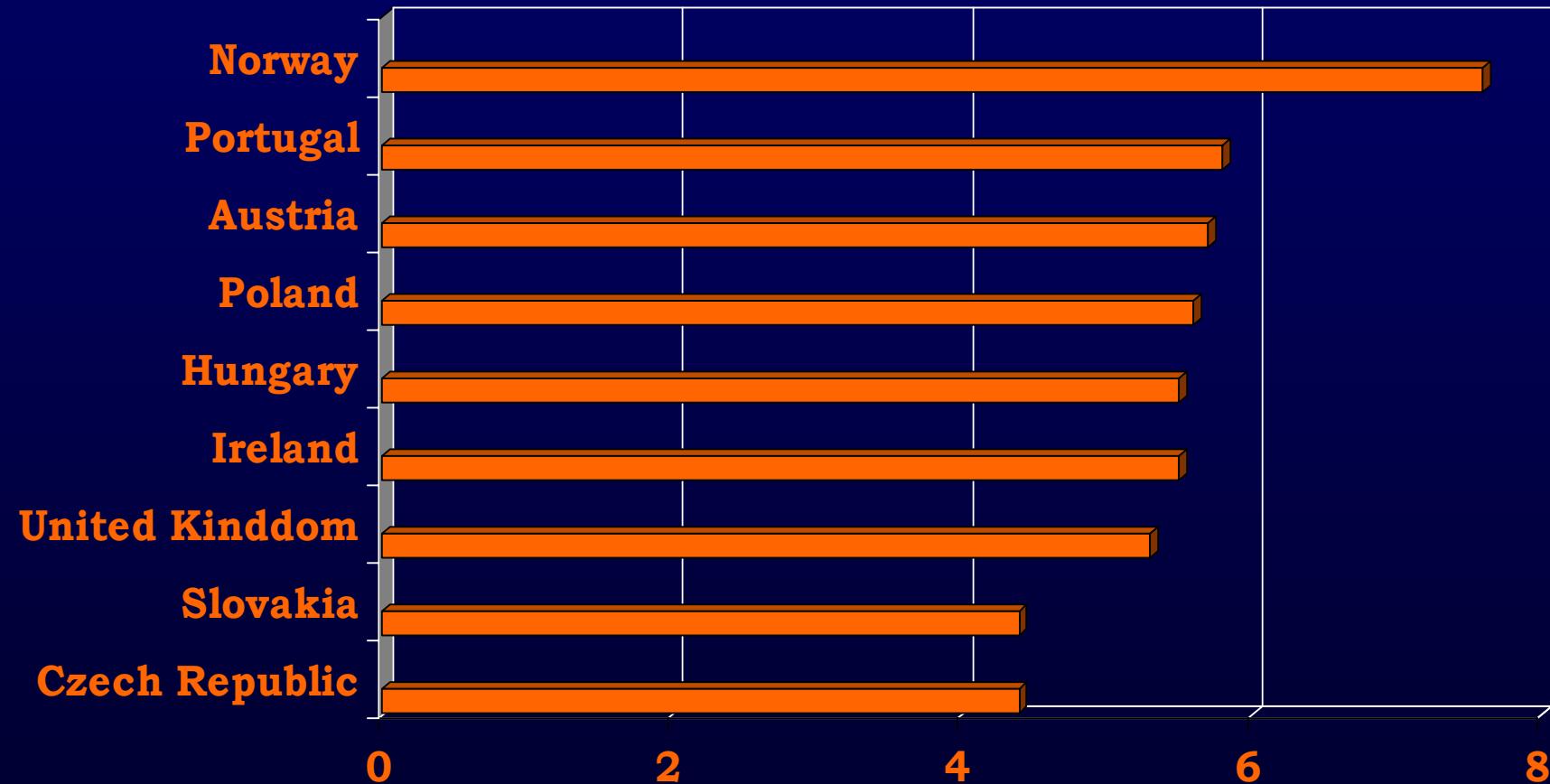
BROAD OVERVIEW CONCEPT





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Public expenditure on education in 2002 as % of GDP



Source: UNESCO Institute for Statistics 2005





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Aerospool, Ltd.



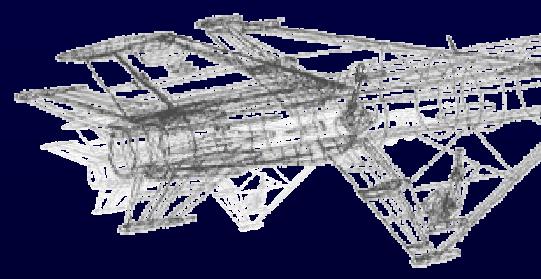
WT 9 Dynamic - two-seat
light airplane





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VIRTUAL REALITY MEDIA – Simulations & VR Technologies





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ALES inc. – Automated Aviation Systems

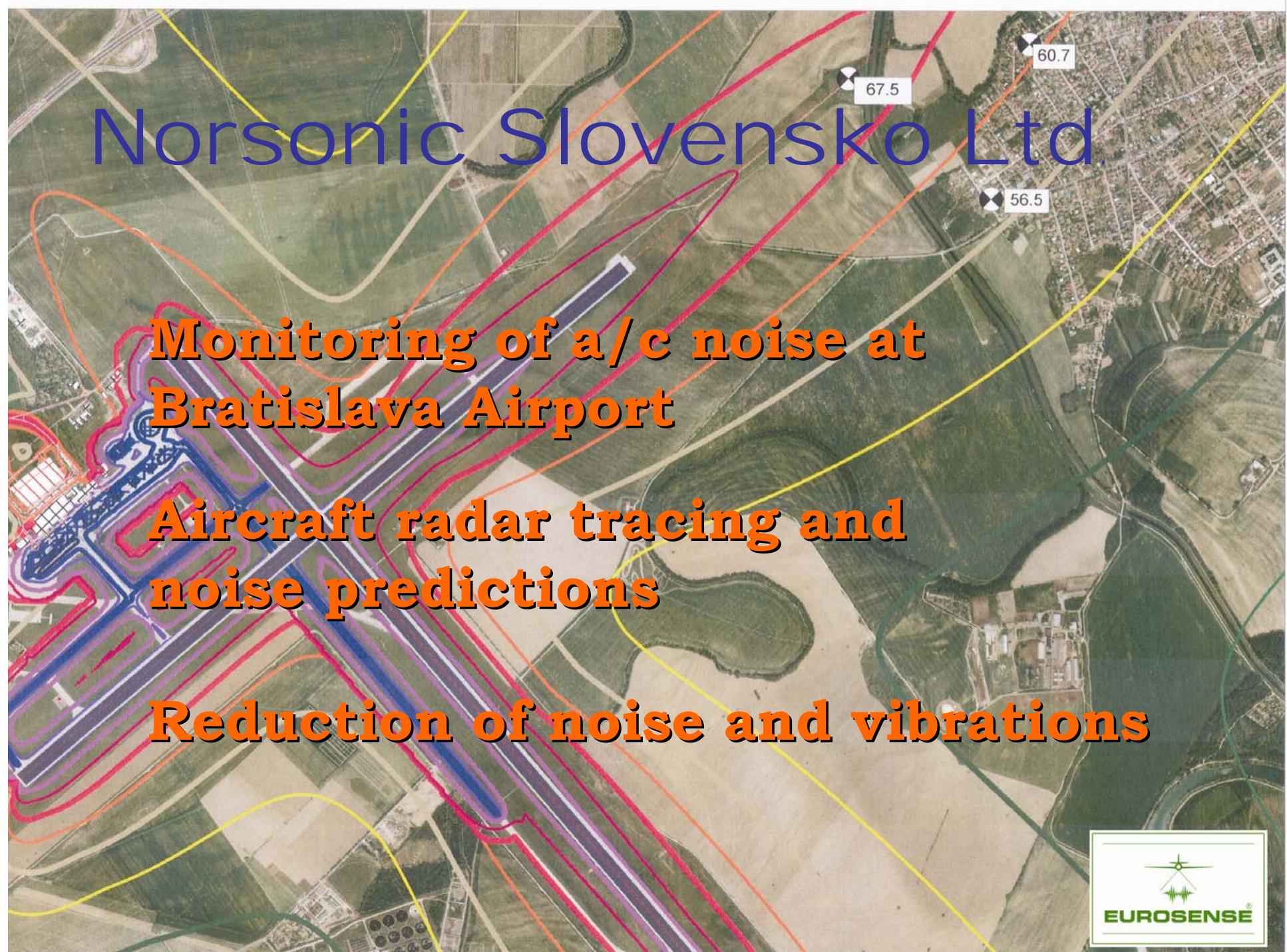


→ civil/military applications

→ SW trade mark LETVIS ®

→ customer specified configuration





Norsonic Slovensko Ltd.

**Monitoring of a/c noise at
Bratislava Airport**

**Aircraft radar tracing and
noise predictions**

Reduction of noise and vibrations





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Air Transport Department

- Operation of airports, airlines and ATM
- After 1993 - grants -
Scientific Grant Agency
- Applied research for industry
- 5th and 6th Framework Programme





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RECENT RESEARCH

- Air Transport Safety Enhancement
- Increasing ATC Systems Safety
- Bratislava ATC assessment in line with ESARR Requirements
- Weather prediction modelling
- Airport Benchmarking
- Bratislava Airport CDM System



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FP 5 - 6 RESEARCH

- MAEVA
- ASSTAR
- SWIM-SUIT
- AirTN - Aeronautics ERA - Net





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PROJECT PARTNERSHIP

- New EU member?
- Research project profile?
- Expertise?





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UNIVERSITY PARTNERS

- Loughborough University
- Glasgow University
- Universita of Trieste
- Eurocontrol Research Centre Bretigny
- Eurocontrol Research Centre Budapest
- Helios Technology



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PROBLEMS AND EXPECTATIONS

- ARE WE DIFFERENT?
- ARE THE OLD RULES ADEQUATE?
- NEW MEMBER STATES INVOLVEMENT
- POSITIVE DISCRIMINATION – NO!
- BRAIN DRAIN

A photograph showing the back of a man in a white t-shirt and khaki pants walking away from the camera on a dirt path. A young child in a dark shirt and red pants walks alongside him. They are surrounded by lush green trees and bushes under a clear blue sky.

*When you go out into the
world, watch out for traffic,
hold hands, and stick together*

Robert Fulghum