TROUT GmbH is a business enterprise specialising in information technology and systems engineering. Its success rests on the expertise and achievements of the founding members gained in over 20 years of project work and in more than 300 projects in the aerospace industry, defence, automation as well as demanding commercial areas.

The TROUT GmbH objective is to take on work in the aforementioned areas requiring expert system understanding, a structured and methodical approach according to standards and the use of extensive Know-how. We offer comprehensive solutions.

TECHNOLOGY RESOURCE TRANSFER & CONSULTING
TROUT GmbH

DEVELOPMENT

Application Development
Customer designed solutions from request analysis to system integration.
We provide support for all phases of the software development process.

Software-Engineering | Re-Engineering
Approaches, execution, methods and tools.

Documentation
Development, compilation and provision of all the necessary documentation for software development according to standards. Programmers handbook.

Support and Maintenance
Comprehensive support for developed applications in operation.

Training Services
Request analysis, concepts, project leader training, developer training, user training, Computer/Web based training (CBT/WBT) for high-tech applications.

Engineering
Engineering services in specialised areas, such as electronics, high-frequency engineering: EMC Electromagnetic Compatibility, prediction, concepts, testing. Antenna technology, signal processing, e.g. non-linear signal processing by using of neural network methods, measurement technique, hardware development.

PRODUCTS

3D-Viewer Flight
System for fotorealistic 3D-display and manoeuvre analysis

3DAM
R&D project in a national co-operation (TROUT, University of Darmstadt, Airport Leipzig) for the realization of the „virtual tower", the complete 2D- and 3D-visualization for the air traffic control with integrated traffic management and many functional features, following ambitious standards for quality and security.

NIVA_B
Non-invasive determination of blood glucose by using of impedance spectroscopy and neuronal networks.

GPS-Signals
System for the simple, safe and fast transmission of GPS-Signals over arbitrary radios

MAUAV
Consistently unitized UAV carrier system of newest technology

CONSULTING

Preliminary Studies | Analyses | Research | Concept Development and Client Support
Project planning and decision bases, work statements/product requirement specifications, acceptance specifications, project accompaniment & controlling, acceptance tests of high-tech projects with high IT part.

Offer Development and Production
Development, support in the working out and creation of technical offer for high-tech projects with high IT part. Calculation bases for the commercial part.

Program and Project Management
Comprehensive support from development to completion of projects according to standards.

Quality Management
Comprehensive support in quality management according to standards.

Configuration Management
Comprehensive support in configuration management.

Safety and Security in IT Surroundings
Analysis and concepts on safety and security in IT surroundings.

Success oriented consulting
based on our experience in more than 300 high tech projects

„Instant Action Policy" for Critical Projects
Immediate support for performance and/or cost and/or time critical high tech projects with high IT part.

„Quick-Response"
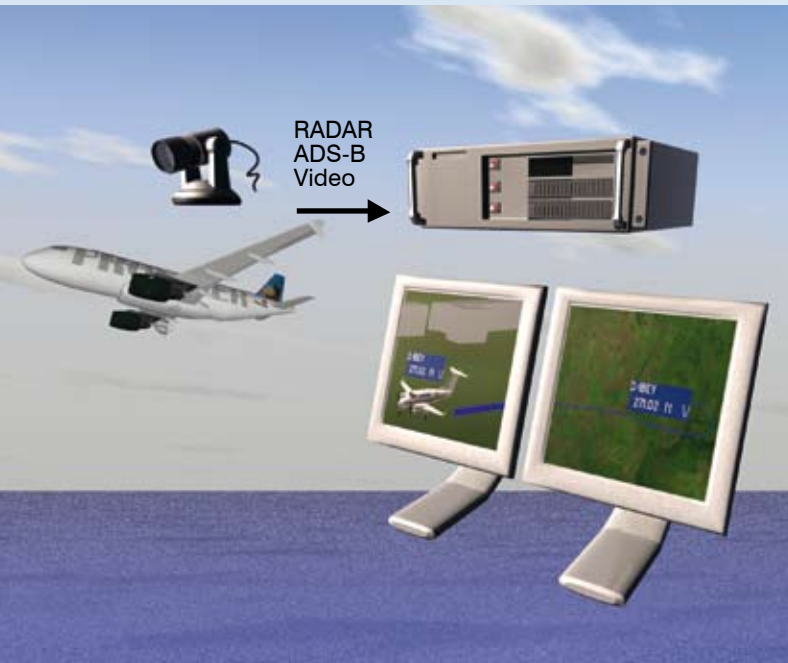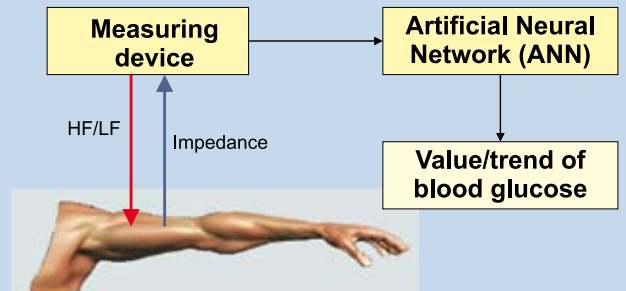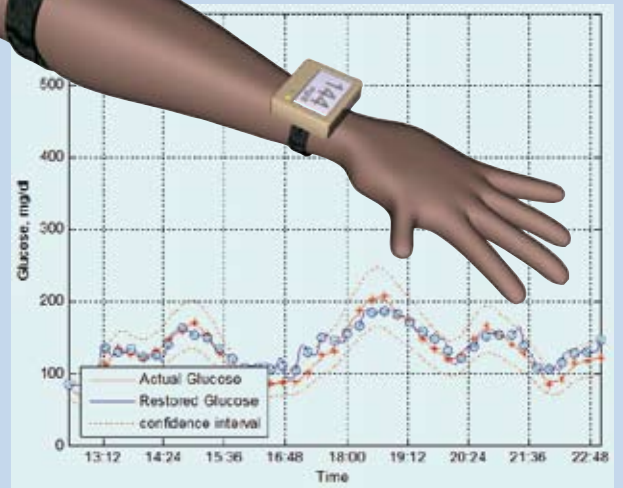Do you have any questions regarding investments or operating high tech surroundings?
We will provide you with qualified support and/or services within a matter of days.

NIVA_B

Non-Invasive Determination of Blood Glucose

The medical technology project NIVA_B addresses the none-invasive determination of blood glucose levels with an impedance-based approach.

The objective of the NIVA_B project is to provide new possibilities for recognition and treatment of the widespread disease increased blood sugar level (i.e. for diabetes patients).

Measuring device	→	Artificial Neural Network (ANN)

HF/LF   Impedance

Value/trend of blood glucose

3DAM

3D Airspace Monitoring System

The 3D Airspace Monitoring System (3DAM) visualizes flight situations in standard 2D views and additionally in superb 3D views. RADAR data and ADS-B data are used as a basis for generating the virtual views.

RADAR
ADS-B
Video

3D-Viewer Flight

3D-Viewer Flight is in use by the German Luftwaffe and other NATO Air Forces for visualisation, simulation and processing of 3D flight data.

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