

# REDISE



HPCN TTN Network

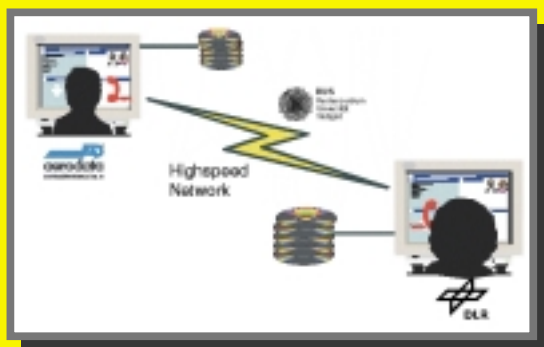
*Networking to work more smartly*

## High-level software development through High Performance Networking

The development of software for complex applications is a time and labour-intensive undertaking. Computer aided software engineering (CASE) tools streamline this process - but they are complex and demanding, requiring considerable expertise to deploy.

This plus the high cost of CASE tools has largely restricted their use to specialised institutions, leaving small to medium-sized enterprises unable to benefit from this technology.

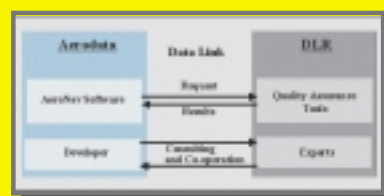
REDISE, a network for remote and distributed software development, is the smart response to these limitations. REDISE users can partner with specialised institutions through High Performance Computing and Networking (HPCN), directly exchanging valuable software and expertise.



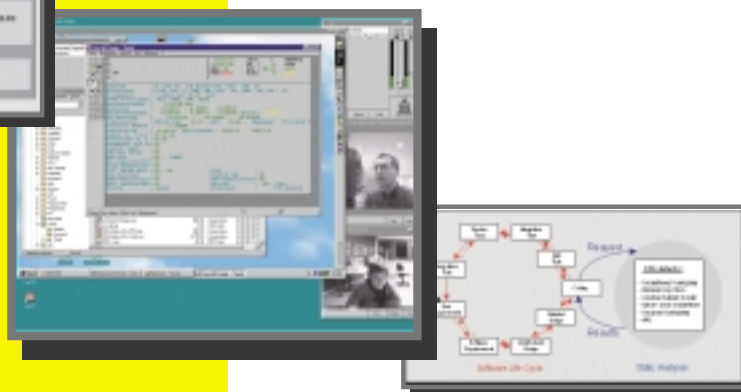
*With REDISE, even small enterprises have the development resources for large-scale projects.*

### Remote and Distributed Software Engineering means:

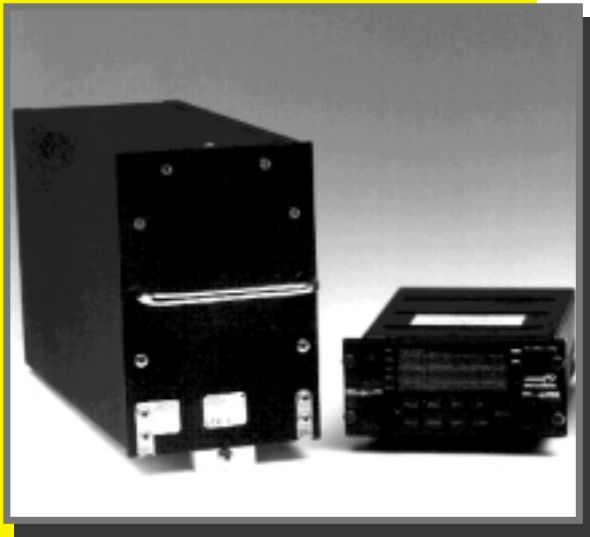
- Access to sophisticated development tools
- Co-operation with external experts
- Higher-quality software
- More efficient development
- Reduced travel time and costs



*REDISE allows engineers to collaborate on joint projects on-screen, in real time, from any location.*



## Flying high



AeroNav special mission navigation system

Aerodata, a medium-sized software house, worked with REDISE to develop its complex AeroNav navigation system software faster and cheaper while maintaining full quality assurance. A powerful net conference environment created by the Stuttgart University Computing Center (RUS) allowed experts at DLR to collaborate with Aerodata.

### The benefits of REDISE are substantial:

- Assured software quality through collaboration with industry experts
- Reduced travel time and budget by 60% (estimated)
- Reduced consulting and training expenses by 30% (estimated)
- Reduced software engineering infrastructure investments by 50% (estimated)

REDISE shows the feasibility of distributed software engineering. This is of special interest to companies developing safety-critical software, real-time applications, software requiring certification or large-scale software systems.

## High Performance Computing and Networking Programme

The HPCN Programme is an EU initiative to make high-performance computing available to small and medium-sized enterprises. This is supported by a pan-European network of 21 Technology Transfer Nodes (TTNs). Each TTN acts as a resource centre, providing access to the combined know-how of the entire HPCN TTN Network and contacts to firms and experts engaged in other HPCN projects. Currently some 150 projects are underway.



For more information contact <http://caprice.dlr.de/redise> or one of the REDISE project partners:

DLR Deutsches Zentrum für Luft- und Raumfahrt e. V.  
Simulations- und Softwaretechnik  
Mathias Lothar  
Lilienthalplatz 7  
D-38108 Braunschweig  
Tel.: +49 (0)531/29 52 765  
Fax: +49 (0)531/29 52 767  
e-mail: <http://www.sistec.dlr.de>

Rechenzentrum der Universität  
Stuttgart  
Robert Stoy  
Allmandring 30  
D-70550 Stuttgart  
Tel.: +49 (0)711/68 55 859  
Fax: +49 (0)711/67 87 626  
e-mail: <http://www.stuttgart.de/Rus>

Aerodata Flugmesstechnik  
GmbH  
Karsten Jopke  
Hermann-Blenk-Str.36  
D-38108 Braunschweig  
Tel.: +49 (0)531/23 59 115  
Fax: +49 (0)531/23 59 158  
e-mail: <http://www.aerodata.de>