## Challenge
Create an end-to-end solution for managing radio networks.

## Background
Artezio teamed up with a client to set up an offshore software development center to assist the client in his development of a variety of software products for the telecommunications industry. A radio network management system project was one of them. Artezio software development team participated as a virtual extension of a product development team housed at the client’s site.

Product team members faced the challenge of making a new software product to support resource management of the radio-access portion of second and third generation wireless networks. It had to support both GSM and UTRAN networks and the GPRS technology. The system was supposed to implement the architecture to support wireless new generation network elements and plug-ins.

### Technologies applied
- Java 2 SDK, Standard Edition
- Oracle 8i Enterprise Edition
- XML
- CORBA
- Microsoft Windows 2000
- CVS

### Services provided
Development and testing of GSM radio network management system

### Project Scope
30 man-months

## Actions Taken
For the Artezio offshore team, it was a 100% Java based project, including both GUI and application server development. Distributed parts of the software system were connected using the CORBA technology. XML was chosen as the formatting standard. Oracle stored procedures were written onsite by the customer. Artezio coders worked on assignments and change requests periodically received from the client. The customer tested and integrated modules developed offshore and modules developed onsite into a cohesive product.

## Results Achieved
The project was accomplished in 5 months and was completed on schedule. By outsourcing routine coding to Artezio, the customer on-site product team focused on design, core functionality, testing, product integration, and marketing.