



Eurotransplant  
Leiden, The Netherlands  
www.eurotransplant.nl

### Industry:

Healthcare

### Annual Revenue:

US\$11 million

### Employees:

100

### Oracle Products & Services:

Oracle Database  
Oracle Application Server  
Oracle WebLogic Server  
Oracle Forms  
Oracle JDeveloper  
Oracle TopLink and Application Development Framework  
Oracle BPEL Process Manager  
Oracle VM

**“In the past, adopting a new technology frequently meant we had to abandon the old technology. With Oracle Fusion Middleware, we have proven that we can service-enable our existing Oracle Forms systems and reuse them in a service-oriented architecture environment.”** – Wilfred van der Deijl, System Architect, Eurotransplant

## Eurotransplant Improves Patient Safety and Transparency with Service-Enabled Legacy Systems

Established in 1967, Eurotransplant is a not-for-profit organization that coordinates the allocation and transport of donated organs for transplantation to institutions in the Netherlands, Germany, Luxembourg, Belgium, Austria, Croatia, and Slovenia. Eurotransplant unites hospitals, transplant centers, and laboratories in a collaborative framework, and supports scientific research aimed at improving the results of organ transplants.

### Challenges

- Ensure rapid donor information capture and improve data accuracy
- Increase patient safety by providing surgeons with better access to the transplant waiting list and organ availability data
- Achieve greater transparency of organ allocation rules
- Enable the organization to evolve from data-driven legacy IT systems to more flexible, process-driven systems

### Solution

- Used Oracle Application Development Framework (ADF) and Oracle JHeadstart to develop Web applications—some of which integrated Oracle Forms systems—to allow a gradual adoption of new technologies and a service-oriented architecture
- Leveraged Oracle BPEL Process Manager to automatically orchestrate processes spanning multiple organizations and many users, thereby saving time previously spent manually tracking outstanding tasks, and ensuring timely execution of critical tasks
- Built an Oracle ADF desktop application used offline in the operating theater to capture donor data quickly and accurately
- Improved patient safety by making up-to-date patient and donor organ data accessible to doctors from any location and any device, around-the clock—accelerating decisions regarding organ donations
- Improved transparency by moving the organ allocation rules from PL/SQL code to Oracle business rules, enabling the medical community to easily understand and verify all rules and decision tables used for organ allocation
- Benefited from the virtual private database feature in Oracle Database to better protect the privacy of each hospital’s data