



"Cintra provides a quality team that provides quality results. They came through for us in the design phase and carried the project through fruition. I would highly recommend Cintra for my next major Oracle project." -Tim Di Prinzio, Manager Information Technology, Baxter PPI

### Baxter

Baxter is a global leader in delivering critical therapies for life-threatening conditions. All of their technologies are related to the blood and circulatory system. The company's BioScience businesses make products that collect, separate and store blood, as well as therapeutic proteins derived from blood. Their renal products cleanse the blood, and their intravenous (IV) products infuse drugs and other solutions into the blood.

### GLOBAL EXPERTISE

Baxter's operating experience extends to nearly every type of political and health-care system in the world. This experience translates into tremendous global penetration--more than 50 percent of sales come from outside the United States, and represent their fastest-growing markets. Baxter products are sold in more than 112 countries, and its operations form a network that spans the globe.

### Business Issue

Migrate and upgrade the Decision Support database from the Wisconsin HP/9000 server to a Windows NT Compaq based Oracle server environment located in New Jersey. Additionally, provide a 3 tier client administration infrastructure that will provide data load, maintenance, and reporting functionality.

### Cintra Solution

#### A Phased Approach

Perhaps the most important step in providing a solution is choosing the right approach. Cintra utilized a series of project phases which provided a controlled and manageable working environment and enabled flexibility in responding to changes in project scope.

#### Phase 1 – Oracle Infrastructure Migration and Adoption

Initial Oracle architecture design, configuration and deployment of databases for development, test and production purposes including 100% data migration from existing legacy systems. Ultimately to provide a stable foundation from which to evolve to meet business demands. The adoption of new technology required a special focus on knowledge transfer to Baxter. This was provided through intensive workshop sessions.

#### Phase 2 – Web Application Datamart Manager

With the foundation in place the next step was to provide a custom developed Intranet web application built to provide an elegant solution to meet the challenge of data integration and ongoing management in a complex environment.

#### Phase 3 – Oracle Discoverer Datamart Reporting

Completion of the project with reporting and decision support tools configured replete with custom designed report templates.

### Results

#### Enhanced Performance

By providing an integrated solution based on Oracle technology and Cintra best practices the reduction in time to process critical financial data resulted in increased production by staff members and an immediate realized return on investment.

#### End User Ownership

Designed with the philosophy that the end user can maintain ownership of the data and its delivery into the Oracle database. This allowed for a tight integration with the reporting process and provides for less dependency on IT department resources, a greater understanding of the data, and thus greater flexibility in responding to new business initiatives.



### Business Profile

Baxter Pharmaceutical Products Inc. markets inhalation anesthetics and injectables for use in critical care in various hospital settings, including the operating room, critical intensive care unit, and emergency department.

### Corporate Headquarters

Baxter International Inc.  
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Baxter common stock (stock symbol: BAX) is listed on the New York, Chicago and Pacific Stock Exchanges, on the London Stock Exchange and on the Swiss stock exchanges of Zurich, Basel and Geneva. The New York Stock Exchange is the principal market on which the company's common stock is traded.

### Solution Snapshot

Decision Support Infrastructure, Intranet application for data integration management and reporting tools.

#### Hardware:

- Compaq Proliant-3000 NT servers

#### Software:

- Oracle 8
- Oracle Application Server
- Oracle Discoverer

#### Products and Services:

- Database architecture design and implementation
- Database migration and upgrade
- Custom data feed application development
- Reporting tools
- Knowledge Transfer

### Benefits

Database architecture design, implementation, and application development services ensured an environment that provided timely and accurate financial reporting, auditing, and payment support for multi-vendor/multi-million dollar sales contracts.