



**Ingersoll Rand**  
Inspiring Progress™

Ingersoll Rand Security Technologies  
Davidson, North Carolina, USA  
www.ingersollrand.com

**Industry:**

Machinery  
Consumer Goods  
Engineering

**Employees:**

60,000+

**2008 Net Revenues**

\$13.2 Billion

**CHAIN•SYS Products**

**appLOAD** suite

- Oracle Configurator Template for CZ Item Conversion
- Oracle Configurator Template for CZ Item Modification
- Oracle Configurator Template for CZ Non BOM Model Conversion
- Properties Conversion
- Oracle Bills of Material / BOM Template with Automatic Item Creation
- Oracle Configurator Template for CZ Non BOM Model Modification

**Benefits Scorecard**

Task	Manual	appLOAD
Create Config. Structure in eBS	1 Day Per Model	5 Min Per Model
Enter Properties Data in eBS	2 Wks Per 1000 Lines	5 Min Per 1000 Lines

**Company Profile**

Ingersoll Rand is a \$14 billion global diversified industrial company, driven by employees who are proud to offer products and solutions people use every day to create a positive impact in their world. Driven by a 100-year-old tradition of technological innovation, we enable companies and their customers to create progress.

**Business Challenge**

Ingersoll Rand Security Technologies uses a custom developed order entry application to capture the product configuration for each configured item on a customer order. This application creates a unique “Bill of Material” record for each configured item on each customer order. The manual data transfer was very error prone and time consuming (there is no standard Oracle Application Programming Interface (API) for the configurator module).

- Solution for Multiple properties recognized on single items
- Inconsistent forms driven data loading solution without data validation.
- Extended project timeline due to manual process not a viable option

**Chain•Sys Solution**

Ingersoll Rand selected and implemented the appLOAD™ tools from CHAIN•SYS to provide for the extraction and load of configurator structure and property data.

The appLOAD tool reduced time per model for applying properties from 3 weeks to 30 minutes accelerating the project completion from anticipated **24 months to less than 4 months.**

The appLOAD tools provided significant cost and time savings for both the load of all standard EBS data BOM elements and custom API’s for configurator data load “out of the box.” Project efficiency led to gains in other project areas of Manufacturing, Projects, Supply Chain and Distribution.