Custom Java API for a ChemInformatics Company in Hungary

With the advent of a new version of their popular chemical editor, which is widely used in the biotechonology and pharmaceutical industries, our client has tasked Founder International to develop a bi-directional conversion component for complex molecular and chemical reaction structures. This is an extremely important component that allows the import-export of different file formats while retaining the integrity of the chemical drawing structure.

Client Overview

Our client is an important player in cheminformatics with their chemical software development platform widely used by different biotechnology and pharmaceutical industries. Due to the stressful deadline, cost control and complexity in releasing an important new version of their popular software, the client has entrusted Founder to develop the bi-directional conversion component.

Solution Highlights

The development of Java APIs for bi-directional conversion between two different file formats includes the following conversions:

- Atom coordinates, general properties and query properties and reaction properties.
- Bond coordinates, general properties, reaction center properties and crossing information.
- Enhanced stereo information and absolute label.
- Reactions: components, arrow types and coordinates.
- R-groups and S-groups.
- Graphical objects and textbox properties.

Benefits

The client has successfully launched their new version on April 2010 with the features built by Founder included. The bi-directional conversion allows customers of the client to easily import-export different file formats without sacrificing any details in the chemical drawing structure.

Project Snapshot

Industry
- **ChemInformatics**

Client Location
- **Budapest, Hungary**

Services
- **Customized Java API**

Implementation Details
- **Onshore / Offshore Delivery Model**
- **6 Month Development**
- **Team of 4**

Technologies
- **Java JDK**

About Founder International

- CMMI Level-4
- ISO27001 Certified
- Microsoft Gold Certified Partner