CAMECO - Refining & Conversion

Cameco is one of the world's largest uranium producers accounting for 15% of world production from its mines in Canada and the US. Their leading position is backed by about 500 million pounds of proven and probable reserves and extensive resources. Cameco is a major supplier of uranium processing services required to produce fuel for the generation of clean electricity.

Business Situation

Cameco's Port Hope conversion facility is one of only four commercial uranium hexafluoride (UF_6) production plants in the western world. Access for visitors, contractors and employees in and out of the plant facilities is naturally controlled. There is a plethora of business rules based on who you are, what you need to do, and who you will be working with. The legacy system that CAMECO had was outdated and they needed new, additional requirements as well. A new system was required to meet their challenging needs and provide a platform to migrate other legacy applications.

Technical Situation

The legacy application is based on Powerhouse and the AS/400. The application is over 15 years old and requires skills to maintain that are very hard to find. The AS/400 platform is difficult to integrate into the newer web-based technologies. The new system still needed to interface to the AS/400 data store, accept bar code readers, and print bar code labels.

Solution

PDSA, Inc. was engaged to provide design, architecture and development services to migrate their application to the new .NET platform. PDSA applied its System Application Methodology and in partnership with CAMECO created high quality design document deliverables. PDSA developed a web-based .NET application in C# and SQL Server 2005. The project was a collaborative effort with a PDSA team and CAMECO team working closely together for success.

Benefits

As part of a broader strategy, CAMECO Port Hope is migrating from the Powerbuilder/AS400 environment to the Microsoft .NET platform. Another major component of PDSA's engagement was to provide the necessary knowledge transfer so that CAMECO will be prepared to migrate the many other legacy applications. Hence, the PDSA/CAMECO partnership provided the necessary skills and technologies to enable CAMECO to reap the benefits for their subsequent application migrations.

Products and Services Leveraged

- PDSA Systems Application Methodology©
- PDSA .NET Productivity Framework©
- Visual Studio 2008
- SQL 2005
- Reporting Services 2005
- Internet Information Services 6.0 / ASP.NET 3.5
- Windows Server 2003
- Data interface to AS/400
- Bar code inputs
- Bar code label printing

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Testimonial

"PDSA has enabled us to integrate a wide variety of critical data and processes and have it all available through a single portal. This ultimately translates to better service for our customers."

Gord Treasure

IT Project Manager, Fuel Services Division, Cameco Corporation

For information on how PDSA can help your business grow, call (888) 899-PDSA (7372) or email us for more information at Info@pdsa.com.