

@UDROS success story



The company



ROLLIX, a branch of the DEFONTAINE GROUP (www.rollix.com), specializes in the manufacturing of slewing rings and special bearings.

ROLLIX provides the complete development and marketing of its products:

- Conception of new products by the Research and Development Department,
- Design and Manufacturing processes,
- Testing and control,
- Logistics



Additional information :

- Production: 40,000 products a year
- Personnel: 215 people
- 7,000 references of slewing rings including 2,500 complete assemblies are managed into @UDROS. They represent more than 58,000 objects of all sorts.
- Rollix relies on a total quality strategy: the company is certified to the European Norms ISO 9001 V.2000 and ISO 14001.

Customer's need

Until the end of 1998, Rollix was using the CAD solution Euclid which was interfaced with a "home-made" application to pilot drawings from data and to launch calculation analysis. At the beginning of 1999, Rollix decided to replace Euclid, as this application was no longer being supported. The Design Department looked for a new CAD application along with standard PDM (Product Data Management) software capable of replacing all the functionalities developed until that time.

Finally, Rollix chose SolidWorks™ for 3D CAD and @UDROS for PDM.

The @UDROS solution

8 engineers in the Design Department are using several @UDROS licenses as follows:

- @UDROS applet for data management
- @UPL (@Udros Programming Language) for customization
- CAD interface with SolidWorks™ for pilot conception from @UDROS
- @WS (@udros Web Service) for Intranet consultation



@UDROS

- ✓ @WS
- ✓ CAO
- ✓ @UPL

The benefits

Before @UDROS, data had to be entered several times. Once @UDROS was put in place however, the application ensured data uniqueness for CAD, estimates, calculations and so on. This way, data input errors were impossible!

At the end of 2004, the V5 to V6 migration was carried out in barely one and a half months despite numerous customizations and migration from a client-server system to a full Web and Java architecture! Today, the endurance of the Product Information System is fully guaranteed!

~ USER TESTIMONY ~

«In six months, we have deployed a PDM solution that ensures data uniqueness and takes back all specific developments of Rollix. With only basic knowledge in programming, I managed to handle the @UPL language in just a few weeks. For me, the customization possibilities, as well as the capacities of communication to the ERP and CAD systems are some key advantages of @UDROS!»,

Mr. Jérôme METAIRIE, CAD and PDM Research Manager



The approach

The Design Department decided to start from the beginning: existing data should not be recovered. The main stages of @UDROS integration were followed by an integrator and Assetium:

- Training of administrators and users
- Definition and creation of Rollix's data model
- Creation of a PDM structure equivalent to the CAD structure
- Replacement of "home-based" programs thanks to @UPL macros

Within six months, the PDM system was in production. The solution is fully operational and takes back all the specific functionalities developed before 1999.

Business applications

@UDROS allowed standardization of all existing applications and also brought new functions such as:

- A configuration system for pilot conception in SolidWorks™ (dimensions, sketches, functions, lines, etc.)
- Automatic generation of estimates
- Dynamic data export through Excel™ to realize calculations
- Data transfer to the ERP (BOM recovery)

Today, Rollix is extending the PDM communication to other services with the @WS module: Methods, Sales, Support... The deployment of the FlowNet module is under consideration to automate the validation processes (workflow).