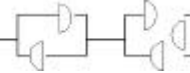


## Breaking new grounds - System Migration at Monofil

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### Background

When the Monofilament Division of the American JohnsManville Group changed hands with the Japanese company Teijin Ltd. it became necessary to separate the relevant data stocks and the functions from the existing SAP system by means of migration, and to form a discrete client.

This separation was completed by the end of the year 2000 (See Success Story "Making 2 out of 1 – Company Split for Monofilaments").

But Teijin Monofilament was still on the system of JohnsManville and its provider. As the next step, it was accordingly decided in June 2001 to migrate the company's business data to an autonomous SAP system.

The project had to be timed to coincide as closely as possible with the complete split-off of the JohnsManville Group's entire DP infrastructure. The aim was thus to minimize the costs involved in the changeover. This required cross-specialist communication with the company's individual departments and with the previous provider of the DP structure.

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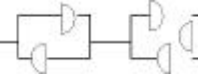
**TEIJIN**

The Japanese company Teijin Ltd., headquartered in Osaka/Japan, ranks among the leading producers of technical fibers and fabrics, including polyester and nylon types.

Founded in 1918, the company employs more than 22,000 people worldwide, with an annual turnover exceeding 7 billion USD, making it one of the world's top-ranking vendors of technical fibers.

With the takeover of JohnsManville's Monofilament Division, the market share for Teijin Ltd. totals 50 % of the entire world market for these products.

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Particularly, the following services had to be handed over by September 1, 2001:

- SAP R/3
- Fax interfacing
- Firewall interfacing
- Production management computer interfacing

The R/3 part here was handled by OSCo. Within the other areas, there was close co-operation with other companies.

At first, the consulting firm of OSCo Olbricht, Seehaus & Co. Consulting GmbH, Mannheim, functioned as an advisor, supporting Teijin Monofilaments in selecting a suitable new provider. The aim was to place the server and the application support with a single source.

As the decision-making process continued, it emerged that OSCo itself was the ideal partner. OSCo was able to offer a complete package, with application and server support, backed up by detailed specialist knowledge of the company's production processes and underpinned by the firm's excellent experience with OSCo during other projects. Thus synergetic effects could be utilized during the migration job and the subsequent support for the SAP system.

OSCo offered comprehensive consultancy from hardware procurement all the way through to the 'going-live' of the new SAP system.

### Job definition

The project was characterized by an extremely tight timeframe and unchangeable general conditions. Nevertheless, the tasks specified were completed to the satisfaction of all parties involved.

These were:

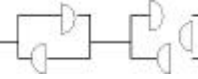
- Migration of the entire SAP database to a new platform with new hardware and with a new operating system (from AIX HACMP® to UNIX Tru64®).
- Interfacing the printers to the new operating system and SAP
- Interfacing the new fax server.
- Interfacing the production management computer. This was managed by another company to TMGG cluster with Alpha computer and openVMS®.

This of course included an appropriate test migration routine and other tests on the new system.

Thanks to the experience and commitment of the staff of OSCo, these requirements were met "just in time".

In addition, after the migration, OSCo also created a development system by means of a successful system copy.

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### Procedure adopted

Interfacing the production management computer in a 24-hour operation necessitated reducing the production downtimes to a minimum, meaning that the “productive” migration was completed inside three days. This entailed extensive test and contingency plans. The thoroughly debugged concept created by the OSCo team for the company split came in very handy here.

Procurement of the new server was completed in a minimized timeframe, thanks to the extensive support provided by OSCo in selecting the hardware partners, and with the aid of SAP’s “Quicksizing” tool.

By choosing the UNIX derivative Tru64<sup>®</sup>, OSCo was able to minimize the administrative outlay involved, since Tru64<sup>®</sup> offers a multitude of options for automating procedures and thereby also reducing the costs concerned. Thus, OSCo’s experience paid off here as well.

In order to increase the availability of the system in the event of a crash (fail-over), a shadow database was provided. For optimized fail-safe dependability, this is accommodated in a topographically separated server.

Due to the migration’s differing architecture in terms of operating systems in the source system (original provider) and the destination system (the company’s own responsibility), the database had to

be transported using an operating system/database-independent format. For this purpose, in consultation with SAP, OSCo used a special migration procedure, which in this project had to be run under considerable time pressure.

In the first few days after the system was started up, a few minor optimization tweaks were incorporated, and since then Teijin Monofilament’s system has run to everyone’s complete satisfaction.

In this project, it has paid off to take a harmonized package where both the server and the application support are from a single source.

“The advantage of this solution lies in the fact that the system is located on the spot while the administration and the monitoring, plus the trouble-shooting, is remote-handled by OSCo”, says Maximilian Schnitzler, head of data processing at Teijin Monofilament Germany GmbH.

The OSCo Competence Center Data Migration and Development offers you a variety of packages in the field of system support and hosting:

- Remote administration and monitoring of your own system
- Remote administration and monitoring of your third-party-hosted system
- OS/DB or DBMS Migration (changeover of your hardware/database)
- Hosting and administration of your system at our facility
- Advice on sizing