

**ITT****Water & Wastewater**

ITT Corporation Profile

[ITT Corporation](#) is a global engineering & manufacturing company with leading positions in the markets it serves, generating 2006 sales of \$7.8 billion. ITT is the world's premier supplier of pumps, systems & services to move, control & treat water & other fluids. The company is a major supplier of sophisticated military defense systems, & provides advanced technical & operational services to a broad range of government agencies. ITT also produces electrical connectors, used in telecommunications, computing, aerospace & industrial applications. Further, ITT makes industrial components for a number of other markets, including transportation, construction & aerospace. With a HQ based in White Plains, New York, ITT employs approximately 40,000 people around the world.

ITT Fluid Technology Segment Profile

This segment contains ITT's pump businesses, including brands such as Flygt, Goulds, Bell & Gossett, A-C Pump, Lowara & Vogel, making ITT the world's largest pump producer, & a leading provider of water treatment

equipment under brands like Sanitaire, Aquious & WEDECO. Businesses within this segment also supply mixers, heat exchangers & related products. This segment represents approximately 39 percent of the Company's sales & approximately 46 percent of segment operating income.

ITT Water & Wastewater – Flygt Brand Profile

[ITT Flygt](#) delivers complete solutions for the handling of water, wastewater & drainage. ITT Flygt works in 130 markets globally. Manufacturing takes place in Argentina, China, Germany, Sweden (Emmaboda) & USA. The HQ is located in Sundbyberg, near Stockholm, Sweden. ITT Flygt employs approximately 4,500 people generating revenues of 8.4 Billion SEK (\$1.3 Billion) in 2006.

MDL @ ITT EMEA Data Center Emmaboda

“The MDL (formerly known as MAS) solution greatly simplifies backup & DR processes for ITT EMEA Data Center, with total automation, high performance & MDL is also very easy to use.

Before the MDL solution, manual intervention was required by operators to load physical cartridges for the weekly dump processes, causing delays & potential data loss, waiting for the backup tapes to be moved to the security vault. This process that used to require ~3 Hours 45 Minutes before MDL, now only requires ~15 Minutes! Additionally, the data is now electronically vaulted into the secondary DR location, asynchronously, typically with a maximum ~1 Minute replication lag. For ITT EMEA Data Center, this means we have a much more robust & secure DR process, which is totally automated, being implemented transparently, without change to our existing processes.

Engineering & Manufacturing A Customer Success Story

We considered other tape technologies, but the cost & associated complication of these options was an issue, requiring the purchase of additional software & physical tape media. The MDL solution was the lowest cost solution, by far, delivering the highest function!”

Lars Nydahl - Senior zSeries Systems Programme

The Primary Solution Requirements

ITT EMEA Data Center required a tape solution that delivered the day-to-day functionality of a combined ATL & VTL solution, which was easy to use & that could leverage from existing IT infrastructure components, while offering flexible DR options, as per:

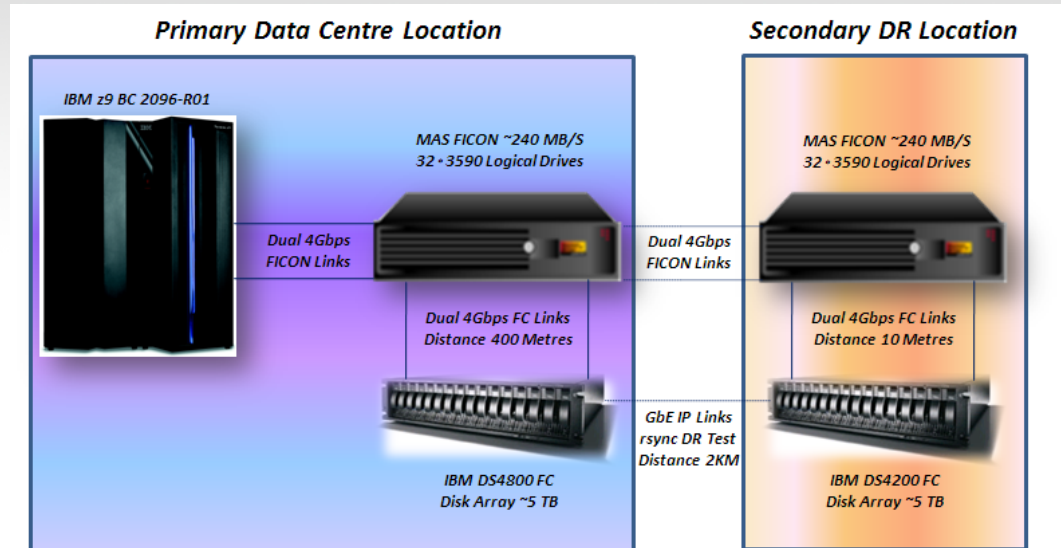
- Increased number of tape drives for batch processing & data protection (backup) processes.
- Increased tape subsystem performance to reduce data backup & associated recovery times.
- Total automation to reduce manual operational activities, for both normal (day-to-day BAU) & abnormal (error, DR) activities.
- Reduced elapsed time for daily & weekly backup activities, combined with flexible scheduling.
- Reduced data loss exposure associated with the vaulting of business critical tape backup data from the Primary data centre to the Secondary vault.
- A cost efficient & strategic solution, both from an acquisition (TCA) & ownership (TCO) viewpoint.
- An easy-to-install & easy-to-use solution, which could be transparently implemented, without impacting current operational processes.

The ITT EMEA Data Center Emmaboda

The ITT EMEA Data Center is located deep within the Swedish forests, deploying the latest strategic IBM Mainframe technology, including an IBM z9 BC server hosting the z/OS 1.8 Operating System. Data storage is via an IBM DS8100 disk array, which is now supplemented by the MDL tape-on-disk VTL solution. A traditional on-line CICS, IDMS & batch environment exists, supporting the core business critical ITT Water & Wastewater applications.

MDL Benefits for ITT EMEA Data Center

- ***Increased Performance & Resource Availability:***
ITT EMEA Data Center can now schedule backup processes as & when required, not based on human operator or tape drive availability.
- ***Increased DR Flexibility & Data Protection:***
Data is now electronically vaulted to the final secure location in Minutes, as opposed to Hours, minimizing data loss possibilities.
- ***Reduced TCO & Optimal ROI Efficiencies:***
Reduced 3390 disk space & Sub-Capacity (SCRT) software costs, via a cost efficient MDL solution...



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