

# High Performing Hybrid Backups Create Client Trust and Peace of Mind

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## Overview

### Challenge

With an increasing operational scale, and global data storage and processing requirements, the need for consistent, reliable and monitored backups was a necessity along with positioning ITWPTM for cloud computing in the near future.

### Business Solution

Leveraging Veeam Availability Suite Enterprise, along with Microsoft Azure ASR and Microsoft Azure Backup delivered high performing on-premises backups, and provided ITWPTM with a complete warm datacenter in the Microsoft Cloud.

### Key Benefits

InsITe was able to provide a huge amount of recoverability value to the ITWPTM technology systems. ITWPTM now has a documented plan of requirements for data protection and confidence that the backups being performed will allow for appropriate recovery in any failure scenario.

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For global company ITW Powertrain Metals, the risk of failure, data corruption or other disaster was high. A consistent, reliable and monitored backup solution was a necessity.

ITW Powertrain Metals (ITWPTM) is a division of ITW and consists of 6 manufacturing sites scattered throughout the US and Czech Republic, producing stamped and drawn metal products primarily for major tier automotive suppliers. With revenues totaling approximately \$300M globally, their data and information security and disaster recovery had to be foolproof.

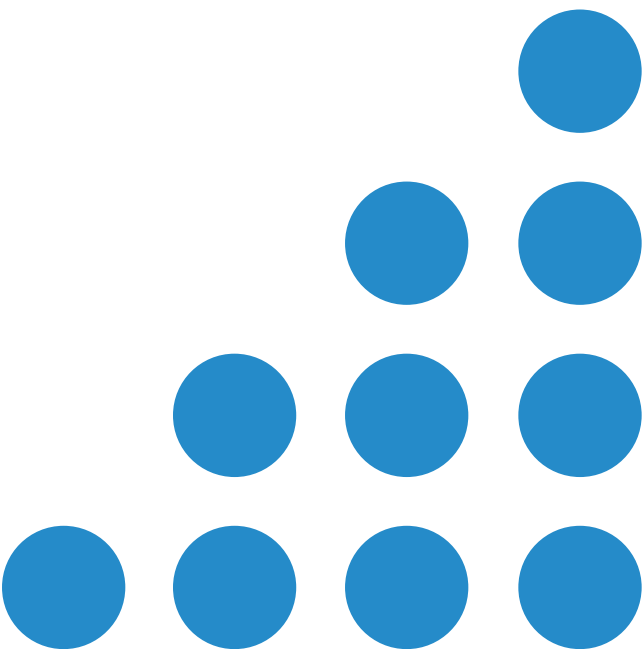
## The Problem

With an increasing operational scale, and global data storage and processing requirements, the need for consistent, reliable and monitored backups was a necessity. Another requirement of the project was to position ITWPTM for cloud computing in the near future. The solution selected should be transferable to cloud assets down the road, or allow for ease of migration in the future.

ITWPTM approached InsITe to evaluate their current backups and disaster recovery to determine if it was sufficient to meet needs, and provide recommendation and implementation of new solutions as required.

## The Solution

An initial Disaster Recovery assessment was performed in which we verified current infrastructure specs including local and remote servers, data storage locations, virtualization technologies. We also met with key stakeholders to understand the complete RTO/RPO and archival retention requirements to support the business. In addition to this, we evaluated the current backup solution to evaluate it against the defined criteria.



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**“We trusted InsITe to take over our infrastructure, build our WAN and establish a practical but resilient network at several manufacturing locations. The InsITe team delivered and continues to be an important extension of our IT staff”**

— Hugh Bartels  
IT Manager, ITW Powertrain Metals

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After assessment and review of the current solution against the infrastructure and RPO/RTO requirements, it was determined the current solution would not meet all criteria either short-term or long-term. Based on this, a complete backup plan was developed in order to evaluate and select an appropriate replacement solution.

Armed with a tailored DR solution design, InsITe evaluated several potential solutions and was able to develop a comprehensive solution based on a best in breed approach. It was deemed that only certain data would be required to be stored offsite long term as archive. Because of that, a combination of products were used to solve for the design. Leveraging Veeam Availability Suite Enterprise, along with Microsoft Azure ASR and Microsoft Azure Backup, the InsITe engineering Team was able to deliver a solution that not only delivered high performing on-premises backups, subsequent replication to an alternate site and granular cloud-base long term archive, but also provided ITWPTM with a complete warm datacenter in the Microsoft Cloud for complete datacenter failover capability.

## **Complete Solutions with InsITe’s Unique Approach**

InsITe did not simply sell ITWPTM a product. The solution was developed and deployed based upon a situational assessment we performed at the outset of the project. The InsITe Design and Engineering Teams understand that not all solutions require the same technology, we must tailor the solution to the exact need of the Client. By working with key stakeholders we were able to develop a complete plan BEFORE recommending a solution, not the other way around. By approaching needs in this way we can assure the right-fit technologies are deployed, and that the solution is completely documented before the project even begins.

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## Solution Components

### Software

- Veeam Availability Suite Enterprise Plus
- Veeam One, Veeam Backup & Replication
- Microsoft Azure ASR
- Microsoft Azure Backup

### Services

- Develop complete Disaster Recovery requirements definition along with a proposed migration plan
  - Migration from Backup Exec to Veeam & Microsoft Azure Site Recovery
  - Microsoft Azure Backup
  - Plan for ongoing recovery of Backup Exec archive data
  - Ongoing backup monitoring & validation services.
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## The Results

While the total value of this project is difficult to calculate, through this project the InsITe Design and Engineering Teams were able to provide a huge amount of recoverability value to the ITWPTM technology systems. Prior to the completion of this project, the relative risk of a failure, data corruption, or other disaster was extremely high. Upon completion of the project ITWPTM had a documented plan of requirements for data protection, based on exact business needs, and now has confidence that the backups being performed will allow for appropriate recovery in any failure scenario.

In addition to the backup project, ITWPTM is employing ongoing InsITe backup and disaster recovery monitoring and validation. The InsITe Support Team performs daily backup monitoring, monthly test recoveries, and semi-annual cloud failover testing.



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