

# Johnson's Construction Limited completely eliminates downtime thanks to highly available failover cluster organized with **StarWind Virtual SAN**



## About the Company

**Johnson's Construction Ltd.** is a privately-owned company with a large workforce employed throughout Newfoundland and Labrador. The company has been involved in the heavy civil infrastructure business for over 30 years and is proud of its reputation for embracing the most challenging projects and completing them on time without sacrificing safety, quality or budget.

## Company Profile

Heavy Civil Construction

## Contact Person

**Jason Earle,**  
IT Systems Administrator

## Problem

Before deploying StarWind VSAN, the company's infrastructure included 3 physical Hyper-V servers that hosted 11 VMs. Johnson's Construction Ltd. needed to organize a highly available failover Hyper-V cluster and storage to eliminate a single point of failure.

## Solution

StarWind Virtual SAN brought in exactly what the company was looking for - highly available failover file server and Hyper-V cluster. That way, downtime was basically eliminated, and the entire system became resilient to failures.

## Problem

Originally, the company's infrastructure included 5 physical servers, 3 of which were running 11 Hyper-V Virtual Machines. Aiming to eliminate downtime, **Johnson's Construction Ltd.** decided to create a highly available failover Hyper-V cluster and storage. Although Microsoft Server 2012 R2 allowed to have failover cluster for the Hyper-V machines, it did not support failover for the file server which hosted the Hyper-V disks. This meant the company had a single point of failure which could be catastrophic.

## Solution

After researching many sites and discussing with other IT professionals, Johnson's Construction Ltd. opted for **StarWind Virtual SAN** for its reputation and reliability. The product was the perfect fit for what the company was trying to accomplish. StarWind VSAN did exactly what Johnson's Construction Ltd. had hoped for - to have a 2-node cluster for a highly available failover file server and Hyper-V cluster. Basically, eliminating downtime.

Now, the company also considers purchasing StarWind HyperConverged Appliance (HCA) and adding pre-configured hardware into the existing infrastructure.



Does StarWind satisfy all the requirements?  
**Absolutely. It has been tested several times with power failures and server crashes and has successfully rolled over to the operating server to avoid any downtime.**

**Jason Earle,** IT Systems Administrator