

SafeKick Case Study

StorMagic SvSAN delivers the competitive advantage for SafeKick's oil rig monitoring software.

Thank you for your interest in exploring this content.

Carahsoft is the **Trusted Government IT Solutions Provider**® supporting a broad portfolio of industry-leading technologies through NASA SEWP V, NASPO and a wide range of other contract vehicles.

As the **Master Government Aggregator**®, Carahsoft connects government agencies, industry partners, and technology providers to deliver innovative, mission-focused solutions.

In partnership with StorMagic, we provide technology solutions that drive modernization, strengthen operations, and ensure compliance with evolving government standards.



To learn more about how Carahsoft can support your technology needs, please visit carahsoft.com



Explore More Resources:
carah.io/learn



Join Events & Webinars:
carah.io/events



Discover Technology Solutions:
carah.io/stormagic



Learn About Procurement:
carah.io/stormagiccontracts



Connect With Our Team:
StorMagic@carahsoft.com
703-871-8548

CASE STUDY

SAFEKICK

LOCATION: UNITED STATES

INDUSTRY: ENERGY

StorMagic SvSAN delivers the competitive advantage for SafeKick's oil rig monitoring software



BUSINESS CHALLENGE

SafeVision was developed by SafeKick as "The Driller's GPS". It is designed to take data from sensors around a rig and to provide information to rig operators so effectively they can see what's happening down below, where the actual drilling is taking place. The system removes user error or fatigue from the drilling process and ultimately results in more efficient, productive and safer drilling operations. However, there are several inherent challenges with operating such a data collection and analysis product on an oil rig.

- Oil rigs (especially off-shore ones) are harsh environments which typically have severely limited and slow-running internet connections

and where hardware failures are costly and time consuming to put right

- Power supplies are short, and unreliable compromising real-time performance
- Space for hardware is limited making maintenance difficult.

To enable SafeVision to operate properly and deliver optimal value to their clients, SafeKick needed to pair its software with a data storage system on the back-end that can support:

- High availability and reliability - to minimize or eliminate downtime
- Enough performance to enable real-time support
- Failover capabilities in the event of a server or component going down and ease of maintenance for on-site support staff.

SOLUTION

SafeKick originally considered a traditional SAN solution but it was rejected for several reasons.

35%

Lower overall cost than equivalent alternatives

50%

Reduction in SafeVision licensing fees for failovers



First, connections wouldn't work: simple interoperability couldn't be supported in a rig environment. Second, a traditional solution would have required a physical SAN, a complex and expensive option and one where management would be difficult as each part failure meant sourcing parts, getting approval and sending staff out to the rig to fix the problem. Additionally, in a tight space UPS systems would be required, for power and cooling, driving up operating costs. After a thorough review, StorMagic SvSAN was selected as the back-end storage solution for their SafeVision clients.

WHY STORMAGIC

SafeKick selected SvSAN because as a software-only solution that leverages internal server storage, it enables a 2-server and no-SAN environment, making it as portable as storage can possibly be.

- ✓ **Simplified hardware requirements** – 2-server solution.
- ✓ **Reduced complexity** - the solution required only one crossover cable on site instead of the previous solution which required 50 cables.

- ✓ **True high availability and reliability** – with SvSAN, synchronous mirroring occurs to ensure seamless operations if one server goes down thus eliminating single point of failures and preventing data loss.
- ✓ **Centralized IT** – SvSANs across distributed sites can be managed, provisioned and maintained remotely from a single-pane-of-glass interface at a central location, with minimal resources required on site.
- ✓ **Easy deployment** – for SafeKick, set-ups are done at the home office and then deployments are executed in turnkey fashion. No on-site staff are required – it's a simple plug-and-play process, with no cloud infrastructure or unreliable WAN.
- ✓ **Cost savings** – less power usage, less equipment to ship, money reclaimed from no downtime, less IT support on site – all contributed towards a 35% lower overall cost than other solutions SafeKick considered. SafeKick has also seen a 50% reduction in licensing fees for failovers.

All of which provided a competitive advantage to SafeKick as they could enable their clients to derive more value from the combined solution.

Lightest footprint, lowest cost:

SvSAN eliminates physical SANs by converging compute and storage into a lightweight commodity server footprint, thereby dramatically lowering costs.

