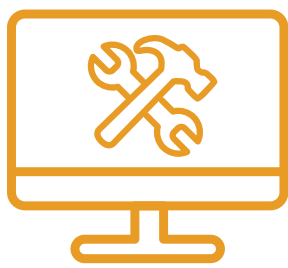# MAGNUS™ TECHNOLOGIES

The Top 4 Cybersecurity Benefits of a Cloud-Based TMS

Cyberattacks are on the rise. As transportation and logistics providers increase their use of technology, they become more at risk. Protecting their data – and their customers' data – is vital to their success. A modern, cloud-based TMS offers better protection than a traditional, client-server model.

Ransomware attacks on the transportation industry went up **186%** between June 2020 and June 2021.
(Cybertalk.org)

It will cost companies around the world **$6 Trillion** to fix breaches in 2021.
(Cybercrime Magazine)

1 Heightened Physical Security
SaaS-Based Models are housed off-premises, resulting in:
- Better maintenance and security of computer systems
- Adherence to very high standards for controlling and monitoring access

2 Enhanced IP Traffic Monitoring
SaaS-Based Models use advanced protocols and encryption techniques, such as:
- Transport Layer Security (https)
- Secure Socket Layer (SSL)
- The same protocols that consumers and businesses use for online banking
- Being sequestered in private "security arena" protected by firewalls to prevent spear-phishing cyberattacks (those that target an individual)

91 Percent of cyberattacks start with a spear-phishing email.
(Trend Micro)

The average lifecycle of a data breach is about **11 Months**
(Cyber Observer)

3 Improved Network Visibility
SaaS-Based Models rapidly deploy security patches and updates, meaning vendors can:
- Leverage world-class technologies and expertise to limit post-breach access
- Use advanced SIEM (security information event management) systems from cloud services that automatically identify problems and take actions that prevent disruptions

4 Better Business Continuity
SaaS-Based Models typically include data backups, which means:
- Data is backed up regularly and frequently – for example, the Magnus TMS is backed up every 5 minutes
- Seamless, quick disaster recovery – in the event of a natural disaster or other disruption, Magnus TMS immediately switches to a different computing environment with full data recovery

96 Percent of companies with a disaster recovery plan are able to recover from ransomware attacks.
(MSP360.com)

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