

Novotek Backup as a Service

The unexpected can spell trouble for any operation, especially for highly configured, specific systems such as your manufacturing operation. Our Backup Management Service presents a flexible solution entirely customisable to your needs.

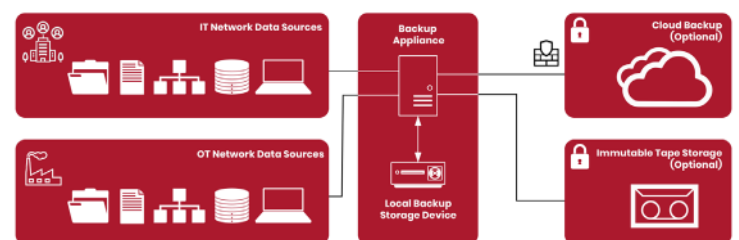
Should you experience operator error or hardware failure causing data loss, our Backup Management Service allows you to get back up and running. Novotek keeps your data exactly where it should be - under your control.

Take control with our flexible solutions

Novotek's Backup Management Service is a fully managed, **backup as a service (BaaS)** and offers an intuitive solution to meet the needs of our customers. It is the result of many years of experience of working in the manufacturing IT and OT environments and our experience of the rapidly evolving and significant threat of ransomware attacks.

The service features a backup appliance which is a fully managed and secure device installed on your network, with no external access (a cloud option is available for offsite backup archives). This appliance is configured with all of the backup sources and is responsible for executing the backup schedule, gathering files from the configured data sources and archiving them to the selected backup locations autonomously. For peace of mind any issues in any backup routine, storage capacity or general service health can be flagged to Novotek using an optional internal 4G SIM card, enabling Novotek engineers to respond.

Data sources can reside on the OT network or IT network and include relational databases, time-series databases (e.g. Historians), SCADA systems, alarm and event data, Active Directory configurations, report files, driver configuration files and PLC project files. The diagram here shows a typical architecture of the Backup Management Service.



Tiers of Service

Novotek **Backup as a Service (BaaS)** offers flexible and configurable options to find the right fit for your operation. Each tailored package includes all of the elements required to perform backups and offers numerous levels of service to fit with customers' individual requirements and budget constraints.



STANDARD

- **Reliable and timely** service ensures that all of your critical data, systems and applications are backed up so you can quickly restore everything in the event of an emergency
- **Fit and forget.** A fully monitored and maintained solution
- **Reduce recovery time** from incidents to hours & days rather than weeks
- **Support for legacy systems**, where aging hardware can be more susceptible to failure
- A **disaster recovery** plan including a ransomware crisis plan, to provide step-by-step guidance for isolating systems and provisioning emergency resources following a successful ransomware attack to ensure system recovery in the minimum time



PREMIUM

- **Immutable storage** to mitigate against ransomware attacks
- **Cloud backup** for secure off-site storage to protect against physical damage
- **Emergency backup provision**
- **Online monitoring** of system performance and health



ENTERPRISE

- **Streamlined disaster recovery** - easily restore the last program that was running smoothly before any malfunction.
- **Version control** for better controlled backups as well as decreased recovery time when restoring to the most relevant versions
- **Detect unauthorized changes** to running control programs, enable audit trails and user permissions to improve cyber security.

Ready for a rainy day

Ransomware is a major threat to manufacturers with 36% of manufacturers hit in the last 12 months. The average ransom demanded has increased from £148,000 in 2020 to £422,000 in 2021 and the average costs to recover from a ransomware attack are cited to be around £1.3m. As a ransomware attack can affect files on a network, including backup archives, it's important that this is considered in your backup strategy.

Properly secured backups provide a solution.



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