

# Forcefield™

Integrated security management platform  
for Challenger™

Forcefield is an integrated security management platform that combines access control, intrusion detection and video surveillance into a single, unified system.



## Seamless, Reliable, Supported

A powerful software package embedded in a rugged hardware appliance, Forcefield allows you to control doors, alarms, user access, cameras (including PTZ cameras), digital recorders, intercoms and video switchers from a single operator screen on a Windows PC. Forcefield is also capable of integrating to third party applications and systems.

Integration to the TruVision range of digital video recorders enables full configuration of video devices via Forcefield giving you the ability to add IP cameras, configure frame rates, motion detection grids and much more.

### Seamless

Forcefield seamlessly combines access control, intrusion detection and video surveillance into a single unified system. On the one operator screen, Forcefield links information from your Challenger security system to associated video footage. This provides your security staff with a clearer understanding of incidents as they unfold, without the need to manually collate information from separate stand-alone systems.

Forcefield enables your staff to respond more quickly and knowledgeably to incidents, reducing the likelihood of false alarms and increasing your capability to respond to critical situations. By providing a single management tool that streamlines your entire electronic security system, Forcefield minimises the need for operator training and increases security staff productivity.

### Reliable

Building on the reliability of the Challenger system, Forcefield utilises a rugged hardware appliance and highly stable real-time OS (operating system) that is intrinsically less susceptible to viruses, hacking and system failure.

In large set-ups, multiple Forcefield appliances are networked together, each connected to numerous Challenger panels. This increases reliability because in the event that a single appliance fails, the remainder of the connections will remain intact and operative.

Forcefield offers backup redundancy. In the event of main system failure, this reliably ensures that all data is safely stored while Forcefield continues to operate.

### Supported

Adding to the thousands of Challenger installers across Australia and New Zealand, Forcefield has hundreds of trained and assessed security professionals across the region. This provides you with a wide choice of contractors for support, maintenance and installation.

# A solution for every industry



## Financial Institutions

Financial institutions throughout Australia and New Zealand have trusted Tecom Challenger since 1990. Forcefield can enhance the security that Challenger provides with features such as Automated Guard Tours, CCTV Integration and Remote Alarm Monitoring.



## Multi-Site Commercial

Forcefield is particularly suited to multi-site and multioperator deployments. Forcefield can link all the locations together over secure and low bandwidth local area network (LAN) or wide area network (WAN) for centralised or distributed management of the security system.



## Utilities

Critical infrastructures such as electricity, water and waste, by their nature, are often located across large and remote areas. Forcefield can provide real-time remote alarm monitoring and management of these sites while providing unmatched flexibility and low bandwidth network connections to each facility.



## Government

Government facilities require the ability to authenticate user access to restricted areas. When a user access event occurs, Forcefield can display the event details and the user photo ID for verification against video footage.



## Industrial/Mines

Industrial and Mining facilities not only require protection of assets but also the safety of people. Forcefield may be integrated with OH&S policies, providing critical information on the location of personnel such as on-site reports and muster reporting, vital in case of an emergency.



## Education

Whether a small school or large university, people management and protection of secure areas are key requirements. Forcefield can provide almost unlimited control of users door access, floor access and alarm access, and because Forcefield can manage up to one million users, there is always capacity to grow!



Aritech stands by its customers to ensure that no matter what Aritech technology you purchased or when, we are dedicated to finding you a technical solution to migrate to future technologies. You can feel confident that no matter what the future holds, your investment will be protected.

## Modular Scalability

Forcefield allows for modular expansion without replacing your existing hardware. You can keep growing the size of your Forcefield system by adding additional nodes which provide a greater number of panel connections, workstations and digital video recorders. There are various node options provided, with different levels of connectivity and performance.

## End-To-End Solution Support

Because Forcefield is designed to integrate with Aritech's own video surveillance platform, you can have peace of mind that your integrated access and video system will always work together, ensuring continual integration support for your solution and investment.

## Distributed Processing and Intelligence

Most systems rely on a single central server. However Forcefield's Multi-Node architecture allows all Challenger panels, DVR video systems and operator workstations in a Forcefield system to be distributed across different nodes preventing one single point of failure. If a node fails only the devices attributed to that node are offline allowing continued communication with all other devices in the system.

## Non-proprietary

Our robust training and certification programs ensure you can confidently choose from a range of trained and assessed system installers with the skills and knowledge to professionally deploy and maintain a Forcefield system.

One seamless video, alarm and access system.

Forcefield combines video, alarm and access management on a single platform from any Windows client, allowing operators to manage their entire security solution from one application.

### **Alarm monitoring**

Forcefield provides a powerful alarm handling process. Alarm handling is available from a dedicated alarm screen or a graphical site-plan. Each alarm may be staged through a three-tier response process with pre-programmed response text, before being cleared and reset. Alarms can be directed to appear only on certain operator stations, and then if required only at certain times of the day.

### **Real-time graphics**

Forcefield incorporates custom site-plans with security devices illustrated on the map as icons that simplify alarm handling and system control. Points in alarm on the map will flash and display their status with the click of a mouse. Operators can even respond to an icon in alarm from the same graphical interface.

### **Reports**

Forcefield reporting features are both extensive and flexible with filters providing a number of report parameters. Once a report is produced it can be sent to screen, printer, hard drive or exported as a CSV file.

### **Video from map display**

An operator can view live and playback camera footage as well as control PTZ cameras from a graphical site map of the building. Alarm points on a map flash when in alarm and can be linked directly to video footage for easy investigation.

### **Advanced access control**

Forcefield provides advanced management of door and lift access for multiple users and user profiles. Other access features include door monitoring of selected doors to be controlled (opened) on a workstation basis complete with photo ID of the user attempting to gain access. This can be compared against video footage.

### **Virtual video matrix switcher (Multi-View)**

Multi-View maybe used to display one to sixteen camera views on a single screen, in various configurations. Programmable dwell times allow automatic switching between camera views. Multi-View also supports the use of multiple video monitors to be connected to any suitable Forcefield Window's workstation.

### **Hot Standby**

The Hot Standby option allows for a redundant Forcefield node to be added to the system which will continuously mirror the main Forcefield node database. In the event of failure of the main Forcefield node the Hot Standby node will automatically take over to allow for minimum disruption to the security system.

### **Photo ID and card programmer**

Forcefield has its own facility to design, print and display photo ID information for each system user. Using the Aritech Smart Card programmer, Forcefield can program or re-program Aritech Smart Cards with information from the Forcefield user database. User images can be imported into Forcefield and saved with the user data, or printed onto user cards if required.

### **Multi-Node**

Forcefield allows for additional nodes to be added to expand its capacity for Challenger panels and Windows clients in the system. A Multi-Node architecture allows for distributed processing of events received from the Challenger panels. This eliminates the risk of a single point of failure.

### **Triggering**

Triggering automatically performs a pre-defined function based on a specific alarm/access condition or point in time. With video integration triggering can be used to display a particular camera view or to tag a recording on a DVR. Triggering can also be setup to generate an automatic email from an event condition. Triggering can be used as an interface to your third party devices, such as duress pagers and CCTV switches, making it one of the most powerful features available in the security industry today.

### **Guard Tour**

A Guard Tour is a defined series of checkpoints at which a security guard must check in, within specified time intervals. Failure to check in on time triggers an alarm or other event. Forcefield allows the programming of 1000 guard tours. Each guard tour contains a list of up to 1000 checkpoints that a guard must activate within a restricted time.

### **Database partitioning**

Multiple site locations or multiple tenants sharing a common security system require the ability to only manage the part of the security system for which they are responsible. The Forcefield database can be partitioned into virtual subsystems allowing the software to restrict the operator from viewing records, and controlling and receiving events that are not within their physical domain or area of responsibility.

### **Manage Job Workflow & Operator Permissions**

Forcefield can manage operator permissions and workflows only allowing operators system access to their job functions, such as specific buildings, areas or menu functions. This also includes restricting their ability to view video footage of unrelated areas.

### **User Licenses**

Manage up to 5 user-defined licenses, with dual notifications on expiration of license credentials.

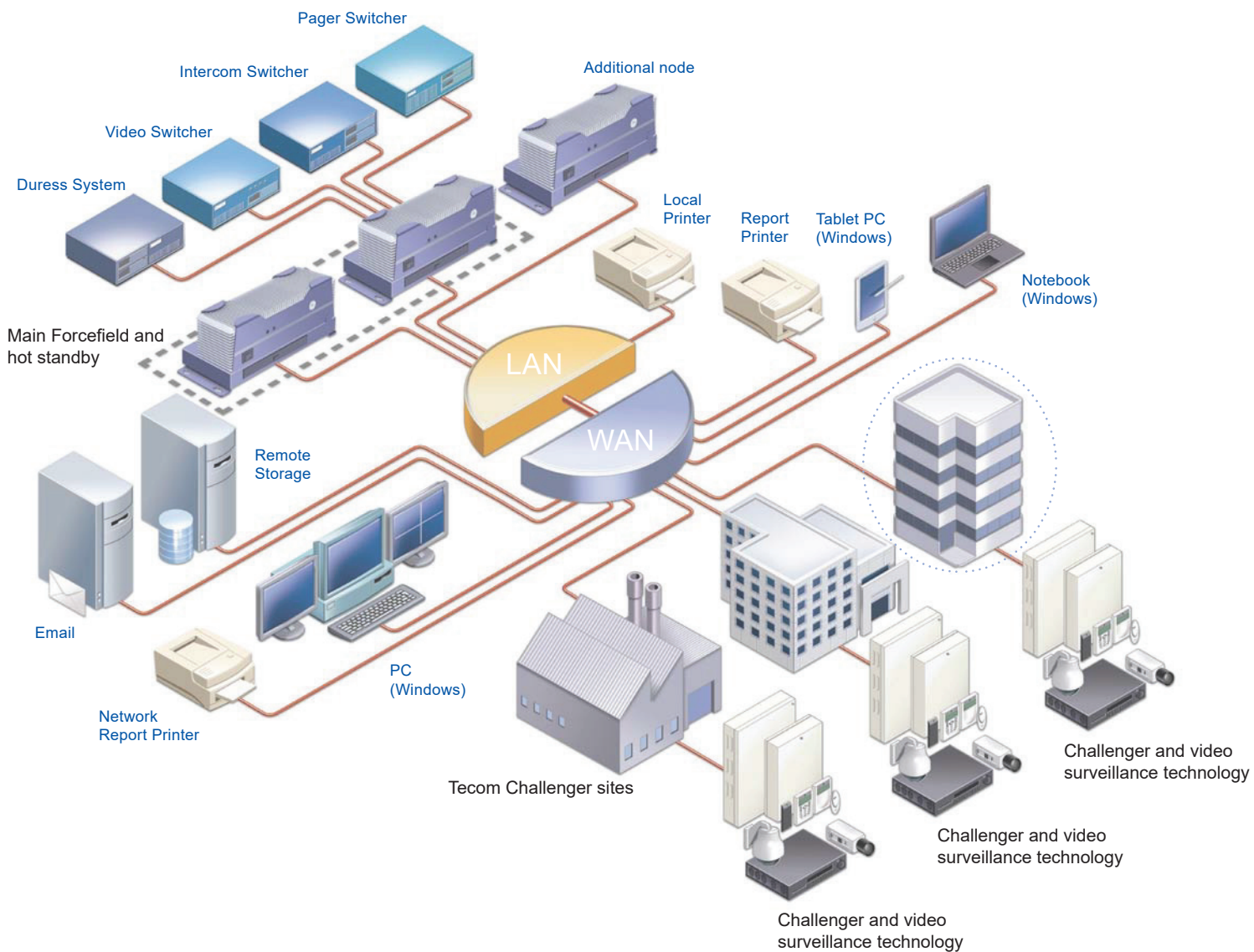
# Powerful Applications

Forcefield is scalable; from a single site, to a multinational deployment, providing the network architecture that is critical to seamless real-time multi-site and multi-user operation across any LAN/WAN network.

With a real-time operating system at its core, Forcefield provides the optimum balance between reliability and security, while maintaining the flexibility and convenience of Windows workstations.

With high-level video integration to Aritech DVR's, Forcefield offers one total solution for your security needs. Multiple monitors connected to a Windows client can turn an operator workstation into a pseudo control room where alarm, access and video can be managed from the one station.

Integration of third party devices such as pager, duress, intercom and switcher systems are available through the Forcefield system as well as other third party devices using Forcefield's third party interface. See your Aritech representative for more details.



## About Aritech

Aritech provides leading security and life-safety solutions for both commercial and residential applications covering intrusion, video, transmission and access. Offering some of the most-trusted product names in the industry, and backed by ongoing partner services and support, Aritech helps customers secure and protect what matters most.

Aritech is a part of Carrier, a leading global provider of innovative HVAC, refrigeration, fire, security and building automation technologies.

For more information visit [www.aritech.com.au](http://www.aritech.com.au). Follow us on LinkedIn @Aritech Australia.



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180413-ForcefieldBrochure-Nov20