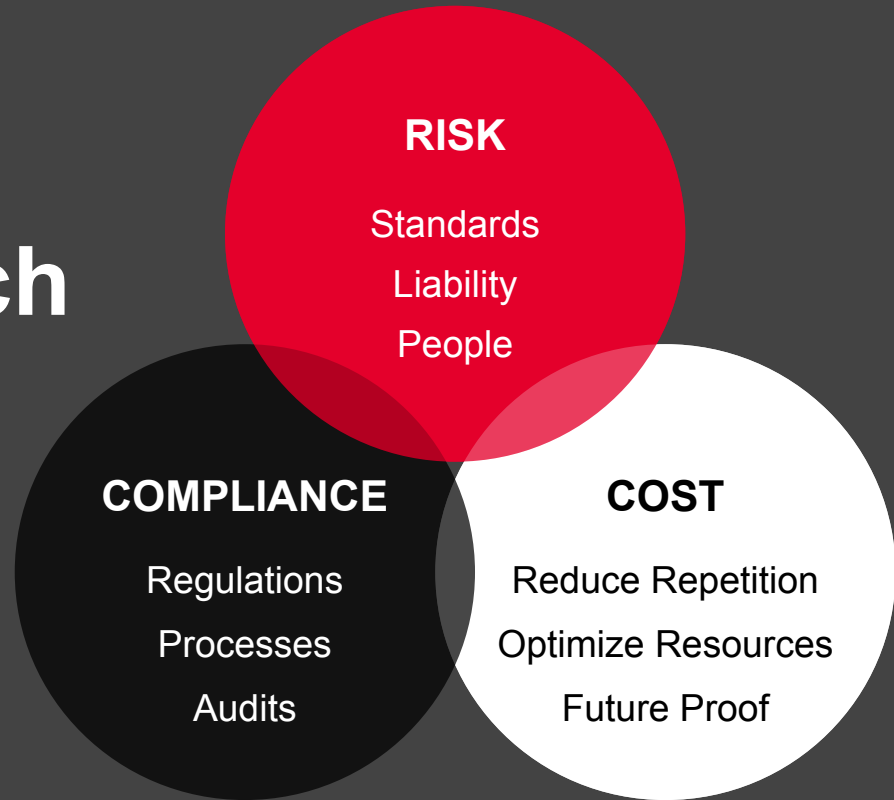

Your Voice Our Vision

Howard Johnson
Jason Schimpf

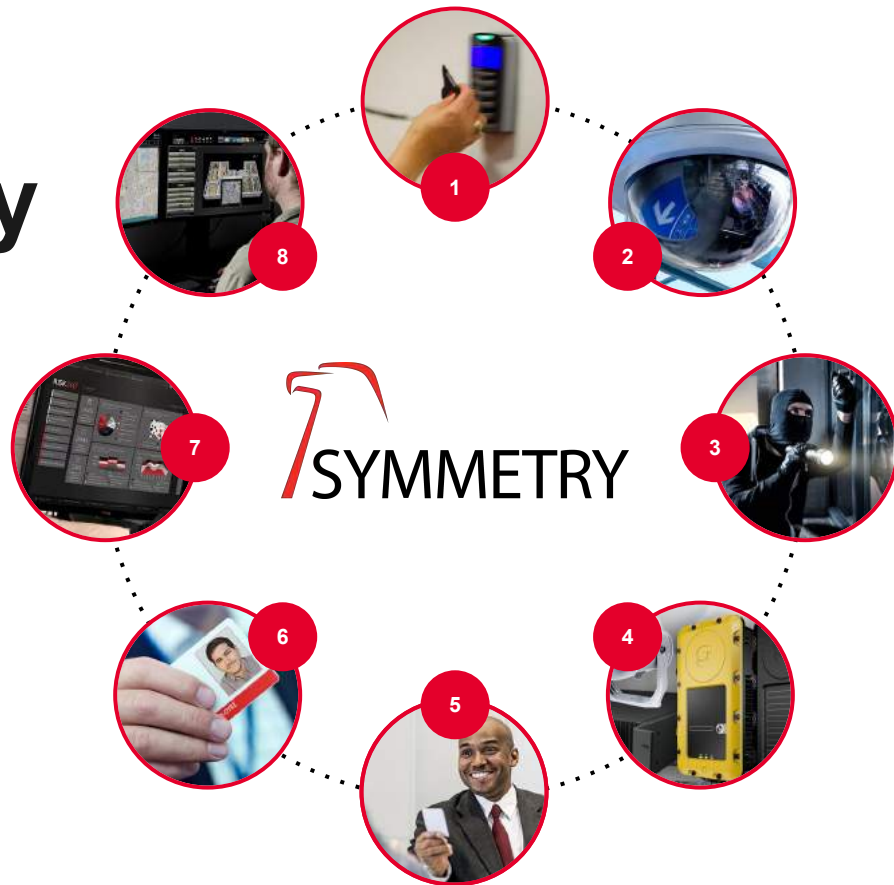
SES19

Our “WHY” Centric Approach



Symmetry Today

- 01 | Access Control
- 02 | Video Management
- 03 | Intrusion Management
- 04 | Audio Management
- 05 | Visitor Management
- 06 | Identity Management
- 07 | Incident & Case Management
- 08 | Command & Control Center



Technology Goals



Reduce the cost of Deployment and Ownership



To be secure from a Cyber attack and friendly to IT platforms



Provide a complete Security Management platform (Software and Hardware) and a open platform for integration



2019 Update



Symmetry
Roadmap



Mobile
Platform



Previously
announced
products hitting
the streets



Open
connectivity
approach



Partnerships

Driving Factors



Meet IT needs



**Open
Interfaces**

**Focus on our
existing
customers**



**Re-invest in
our Platform**



Version 9.1 [June 2019]

V9 redefined the software installation and upgrade process. System patching and product enhancements delivered in the same process, new functionality can be developed more quickly and customers kept up to date more easily.

System Enhancements

- 01** | Access Code Forced Inactive
- 02** | Access Rights Assignment Improvements
- 03** | Auto Clear Acknowledged Alarms
- 04** | Prioritise Controller Downloads
- 05** | DNS Configuration of all Integrations
- 06** | Password Renewal Interval Increased

Open Integration Enhancements

- 01** | Symmetry Blue Credential Management
- 02** | Cardholder Screen Captures Suprema Fingerprints
- 03** | Support for the Zenitel Pulse Intercom Station
- 04** | Bosch Intrusion Panel Integration
- 05** | M4000 Appliance now available in 'Honeywell' Format
- 06** | Driver Updated for HID OMNIKEY 5032
- 07** | Event Export to Risk 360 Incident Management

Version 9.2 [Dec 2019]

System Enhancements

- 01** | Forcing of unique credentials
- 02** | Alarm Instructions extended to 2500 characters with conditional formatting of text.
- 03** | Enhancement of Credential Length support from 128 to 256 bits to support 64 bit CSN in Symmetry and M4000.
- 04** | Email advanced reports.
- 05** | New licence type for installation in VDI applications such as AWS Workspace

Open Integration Enhancements

- 01** | Direct Allegion Schlage NDE Lock integration (no Mercury)
- 02** | Completeview enhancements
- 03** | Addition of Client side de-warping for 360 degree cameras.
- 04** | Extended reporting.
- 05** | Optional Key thumbnail images include in the active alarm list
- 06** | Camera to device association extensions, ensuring all non camera devices can be associated with available video relating to them for quick and easy playback as shown in 'Control Desk'
- 07** | XML enhancement to provide sample code and wrappers for Java Developers.

In Progress

But not yet Ready to Announce a Release Date

- 01** | Redevelopment of the Symmetry Command Centre to enable real time provision of status and the issuing of commands
- 02** | Aligning the Native Graphics interface to include 'Google Maps' type functionality with in screen migration between views
- 03** | Symmetry Guest will add support for watch list checking from external providers
- 04** | Right to be Forgotten Tool. EU GDPR rules on privacy allows private individuals the right to have all their data removed from any given system. We are developing a tool to facilitate this across all our platforms



Symmetry Mobile

- 01 | **Available Now** – A Wavelynx provided an app that self generated a credential which could then be read into Symmetry directly.
- 02 | **About to Launch** – Adding the ability to control the credential issued via customer code and card number. Available V9.1

Next Generation

- 03 | Combine Wavelynk and Suprema API's in a single app
- 04 | Remote Credential issuance. A web portal to allow an invitation be sent to a mobile device for enrolment. Allowing a user to gain a credential without needing to visit an enrolment location.
- 05 | Room booking and usage monitoring via localised Bluetooth beacons
- 06 | Security Manager functionality including the ability to check mobile and card based credentials against the system database and a muster function plus exposed Symmetry functionality such as Alarms, Activity and Status and commands



Previous Product Announcements Update

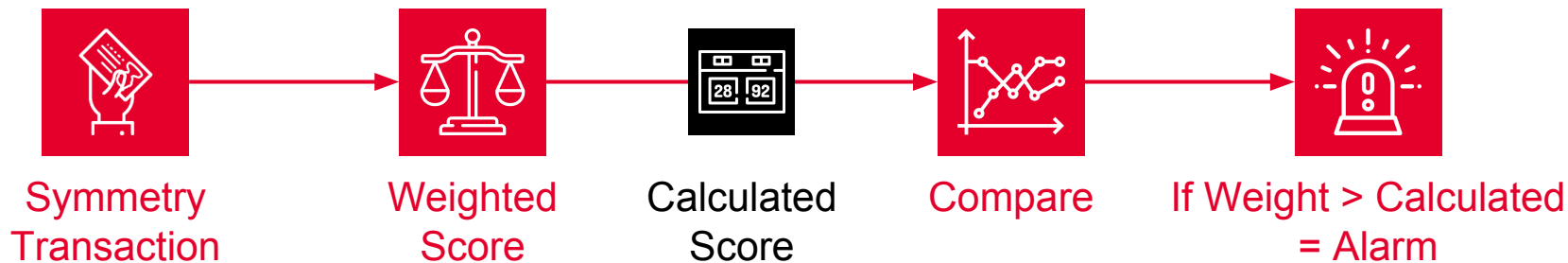


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Analytics

Last year we announced incorporating real time analytics of alarm and events to provide a focus on unusual behavior. The technology builds a model of the behavior of each card holder and then compares each next transaction to the model. Now ready to deploy to the first production sites.

Free of charge to Platinum customer only initially



Symmetry CONNECT

Identity management helps with **six key processes** to help businesses streamline operations and operate more efficiently.

01 On-Boarding

Manual process to enter identity and access rights

03 Off-Boarding

Access Removed

05 Audit

No standard process followed, errors, confusion and delay can occur

02 Change Requests

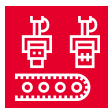
Change requests, visitors and vendors

04 Recertification

If the process is manual, how do you prove compliance and enforcement

06 Compliance Reporting

SOX, PCI, HIPAA, NERC/CIP, Air Cargo Know Consigner



Enhances traditional PACS with devolved administration and automated audit



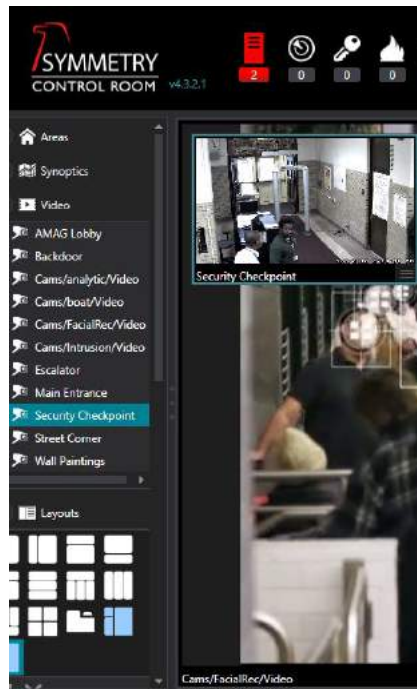
Links to Symmetry and will be PLA1 complaint in 2019



Now being deployed on premise, as a hosted service or back end rule processing with an API for customer integration.

Symmetry Control Room

An OEM of an open source integration platform. Allows customer configuration of the user experience together with a large library of integrations and a pathway for 3rd parties to integrate without further AMAG involvement



RISK360

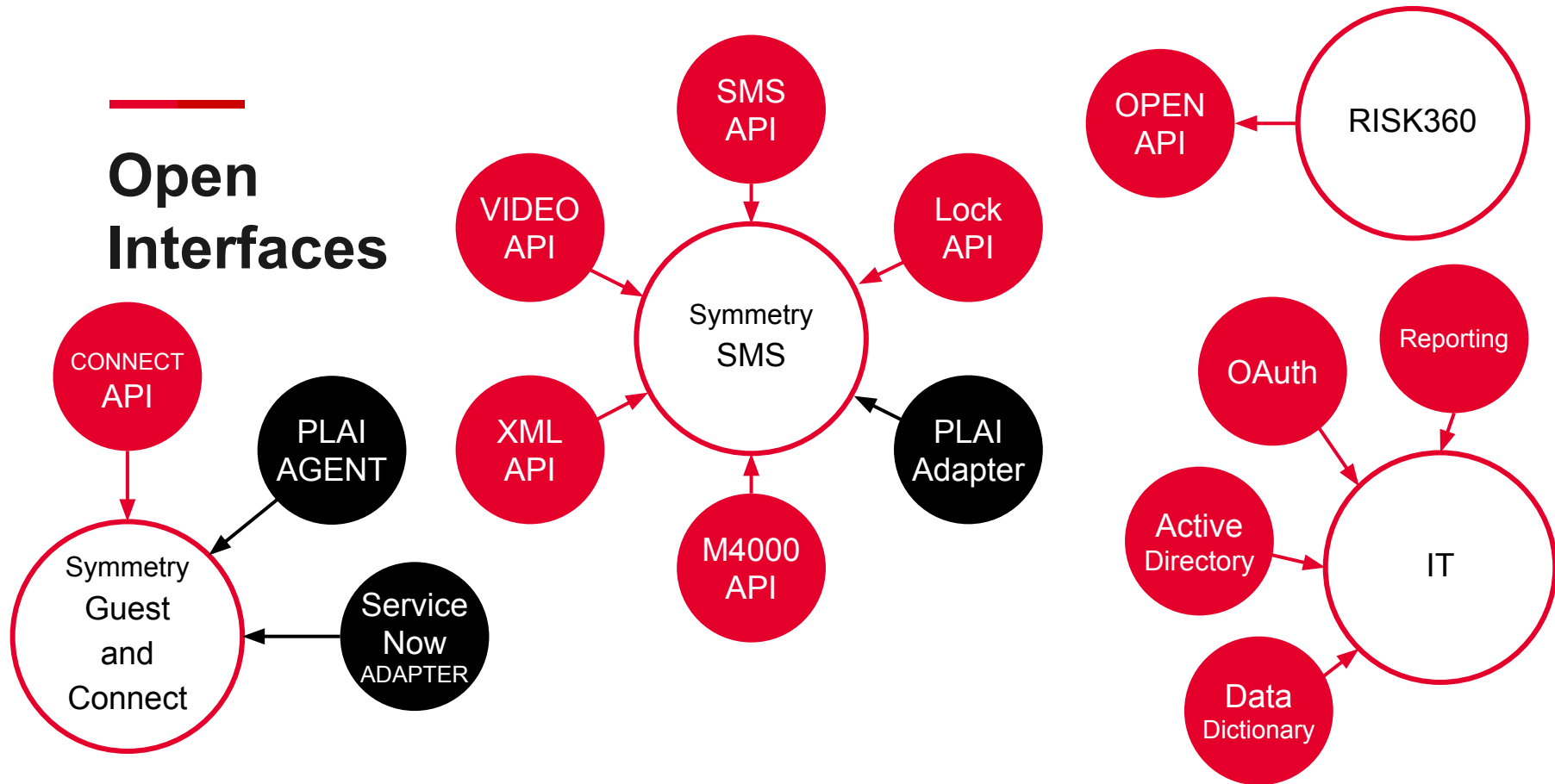
Version 7 now released. Available hosted or on premises. Includes an Open API \ SSO \ New reporting package with easy data export. Completely rewritten support mobile application for both IOS and Android



Open and Partnerships

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Open Interfaces



Open versus Closed

Integrated versus Unified

A golden retriever is standing on its hind legs, looking out a glass door. The dog's mouth is open, and it appears to be barking or howling. The door is white with multiple panes. The background outside the door is a blurred outdoor scene with greenery.

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A photograph of two men in a server room. One man is standing on the left, wearing a black shirt and khaki pants, looking at a rack of equipment. The other man is sitting on the right, wearing a black polo shirt with a small GCS logo on the chest, looking towards the camera. The room is filled with server racks, cables, and equipment.

AMAG Selective Partner Approach to Integration

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Credentials and Card Readers

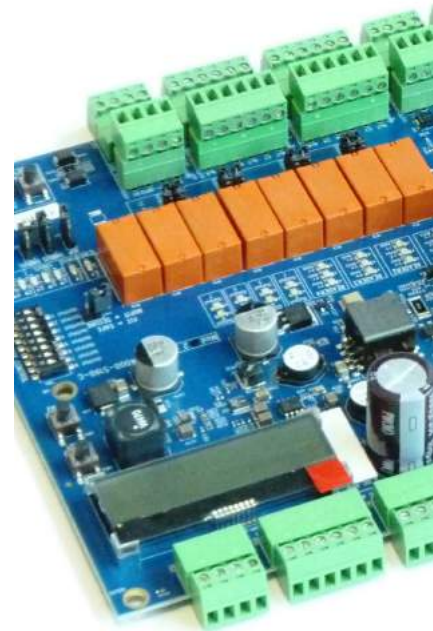
- 01** | New AMAG controllers support any cardreader connectivity per port, use our products or any other
- 02** | In 2015 we partnered with Wavelynx to produce a next generation Cardreaders for transition (auto wiegand \ OSDP selection), mobile via BLE and NFC, with the flexibility to define key sets. Buy cards anywhere and with a free mobile credential plus the option to build your own app. Upgrade of firmware will be available via the latest control panels over OSDP
- 03** | For Biometrics Idemia and Suprema have the widest product select and market penetration and we have partnered with both with deep credential integrations. Symmetry V9.1 will provide template on card and free mobile credentials for specific Suprema fingerprint cardreaders avoiding the need to network card controllers for template sharing
- 04** | 2019 releases a single mobile app for Wavelynx and Suprema products with a frictionless credential issuing process.



AMAG take the view that at the credential and readers level the product should be secure, flexible, open and cost effective.

Controlling the Door

- 01 | The M4000 lifts approach to what is traditionally a 'box' to software enabled appliance. Design not only to be open architecture and secure but also in mind to reduce the effort to install and maintain avoiding the need to be 'at the door' to fault find. In providing this we decided to partner with LifeSafety Power for the intelligent power supply monitored by M4000 for the very best in powering the product.
- 02 | AMAG's approach to appliances is that unless we have the ability to provided functionality at both the server and the controller level we will not be able fulfil the demands of our customers under our own control.
- 03 | Additionally we see the alternatives being made end of life in timescales we would not wish to enforce on customers given that changing hardware is so disruptive.



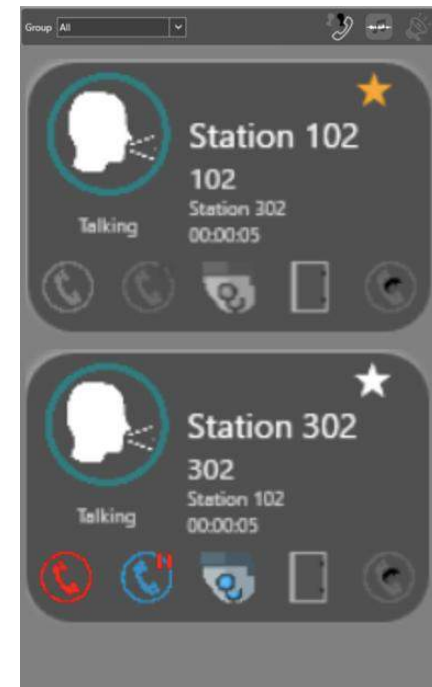
Controlling the Door

- 01** | Whilst electronic locks that need no panels have been around for 10 years or more they are failing to become mainstream in part because to integrate to them is complex for software vendors. AMAG is committed to two of the best solutions from Assa Abloy, Aperio and Allegion Schlage.

We don't expect these to be mainstream alternative to panels for at least another generation of product.

- 02** | Audio & Video is just as important a Cardreader at a door, if you don't have a card you need to speak to someone.

We have partnered Zenitel at SES for 18 years, Symmetry V9.1 will integrate Pulse door station as a direct connection via IP to Symmetry.



Video Management

- 01 | In 2015 AMAG decided that standardisation of the Camera output via ONVIF was not going to become the industry standard and that we were unable to compete successfully with our own offering. We were convinced that Salient had the right approach to video systems design with their Dynamic Resolution Scaling and move to become a reseller with a single licence cost structure for the integration.
- 02 | The AMAG Partnership allows for both standalone system integrated in the traditional way and \ or the Salient NVR directly viewed through the Symmetry client in a unified software solution.
- 03 | This successful partnership is in its 5th year. V9.2 Symmetry will see a further deepening of integration as shown on the road map
- 04 | AMAG remains committed to an open video interface and integrate with a variety of third party solutions as driven by the providers or our customers.

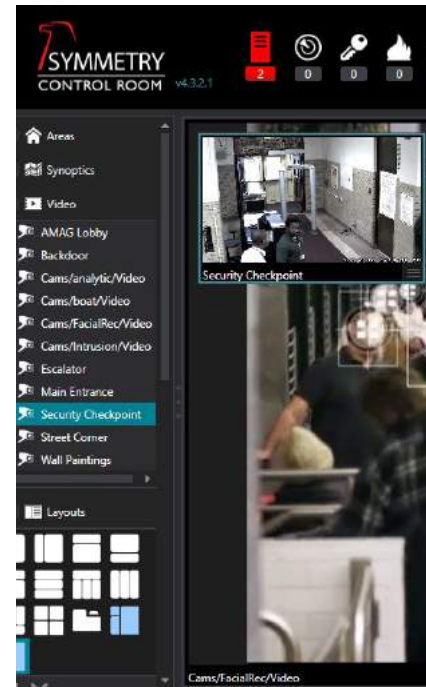


A unique approach to Enterprise scale solutions – Symmetry Control Room

Enterprise customers managing disparate systems at some point consider pulling it all together in a single application, hence the PSIM. These systems typically have a high cost of ownership associated with all the necessary integrations that the provide has to keep pace with. AMAG looked to achieve the principles of PSIM, made easy.

- 01 | A single interface customised and re-customised at will and by user
- 02 | An open-source architecture without a dependency on AMAG
- 03 | Vendor control not provider controlled. Vendors can do their own integrations maintained by them in their own interest
- 04 | A large library of existing integrations
- 05 | Automated data take up from sub systems avoiding lots of rekeying

AMAG partnered with Prism Software to create Control Room



How AMAG makes this work

- 01 | Buy it from AMAG get support from AMAG.
- 02 | Choose the support model that works best for customers, choose our Platinum package and irrespective of where you bought your 3rd party product from we provide the support for the interface.
- 03 | 'No more bills' approach for support work with our Platinum package, if we can't fix it remotely then we own fixing it on site at our cost. We are invested in getting a system to work reliably or we face the economical truth of unreliability
- 04 | Engage the 'End User'. AMAG is an extension of our channel by supporting the end user the way the channel and the end user likes. If sponsored by the channel, AMAG can provide direct support to the end user.
- 05 | Protect from hardware obsolescence via contracts that can be as long as 20 years with no obligation on the end users part.



Why AMAG

- 01 | Our mission is to be flexible in our approach and provide long term value. We aim to share the problem not just the solution
- 02 | We strive to offer a complete solution using our own products and selected best of breed partners
- 03 | We take the time to understand our customer needs and work to fulfil them.
- 04 | We endeavour to continue to provide and support for manufactured products for 20 years or where possible to provide an alternative.
- 05 | Our solutions are supportable and easy to use with minimal maintenance and able to be onward developed to meet changing needs.
- 05 | We recognise customers may not want to buy all parts of their solution from us and whilst we endeavour to offer a complete and compelling proposition its importing that each component has an open interface to allow integration with others.





Achieve More Together



Thank You Attendees and Sponsors

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