HEYER MEDICAL AG

AdAM™

The industry's most secure anesthesia system

Unparalleled Performance, Security, and Compliance

Technology executives within healthcare organizations are under increasing pressure to secure healthcare data and at the same time reduce operating expenses and drive incremental value to the healthcare facilities business.

A critical element to this need is to assure that information stored and transferred from their medical equipment is performed in both a secure and efficient method to meet government mandates and patient confidentiality such as HIPAA.

This challenge is compounded when the equipment contains a combination of operational, statistical and patient personal information each having their individual requirements for security and compliance.

Heyer Medical AG in conjunction with Sengex has brought unparalleled security to anesthesia machines with the introduction of *AdAM*, the world's most secure anesthesia platform designed specifically to address concerns for patient healthcare related security issues.

Through a partnership with Sengex; a leading provider of cyber security solutions and expanding on Heyer's Advanced Remote Management Services (ARMs) capabilities, *AdAM* exceeds security and compliance mandates by assuring that data in rest or in motion is secure across all aspects of the system from the hardware layer to delivery into healthcare provider's information systems.

AdAM's end to end security model takes medical equipment security to a level unseen in the industry, and is the only anesthesia solution that can assure compliance to todays' healthcare security demands.

Regardless of electronic patient health information is held locally, sent to the healthcare provider data center, or stored in a cloud storage arrangement, *AdAM* meets the need for security and government mandates.

AdAM's security technology has also been designed to be easily extendable to other healthcare appliances which may need access to the data such as tablets and mobile devices.

AdAM is a first in a continuous line of solution to be offered by Heyer and Sengex that bring healthcare security to next generation medical equipment and applications.

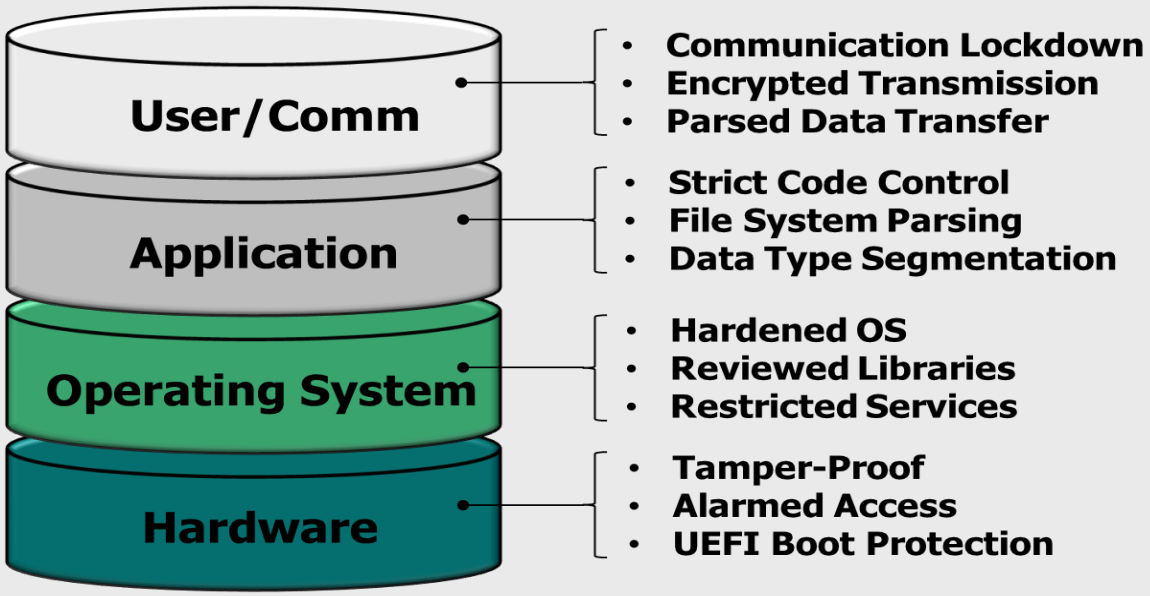
Visit: **www.heyermedical.de**
for more information on AdAM, and other Heyer Medical solutions

Security Solutions Partner

SENGEX
INGENUITY PRODUCING QUALITY INNOVATION

HEYER MEDICAL AG

AdAM™ – End-to-End Healthcare Security



Hardware
The *AdAM* hardware platform includes security functionality that makes it tamper-proof from contents access attempts.
Any attempt to enter the machine will result in local alarm generation and remote notification of an access attempt.

In addition, *AdAM's* integration of a Unified Extensible Firmware Interface (UEFI) assures protection of the firmware by restricting booting of the system without a secure boot password that is associated with a signed cryptographic certificate
All data entering and exiting the NIC interface is performed in an encrypted method that cannot be compromised by any known hacking method.

Operation System
AdAM operating and file system has been built on a hardened OS that has developed on known and reviewed libraries. All unrequired services have been disabled eliminating risk of rogue hack attempts on open ports.

Application Layer
The *AdAM* application has been developed under strict source control practices assuring that there is continuous code control all the way to layer 7.

The file system incorporates a state-of-the-art parsing technology that in the event of access, the data is unusable without the required keys.

Lastly, *AdAM* provides for true segmentation of operational and patient related data to assure maintenance and support interactions with *AdAM* do not compromise confident patient health records

User Interaction and Communications
AdAM's data parsing capabilities extends beyond the protection of the file system and patient data to include that all communication to the machine are performed in the highest level of data encryption available.
Data communications between *AdAM* and healthcare providers IT systems which can include EHR/EMR records, operation systems and equipment management applications are parsed to eliminate risk of interception, as the data is unusable without required certificates and parsing application to rebuild the information at the predefined data depositories.

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Learn more at

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