

Symphony – Transforming Air Defence Operations



BUSINESS BENEFITS

- Unlocks the value of volumes of data stored for defence purposes
- Provides effortless construction of highly sophisticated replay scenarios
- Enables replay sessions to be constructed with any combination of data
- Enables detailed mission debriefing to be performed at remote locations
- Provides vital tactical information rapidly and clearly
- Creates highly realistic training scenarios
- Enables selective long term archiving of important time periods
- Ensures a smooth, tailored and hassle-free implementation

The sheer volume of data recorded in the Air Defence arena is staggering. This includes: ground-to-air communications; radar data and on-line screen activity, all of which is increasingly routed over IP Networks. The value of this information to the defence effort has long been recognised, however until now, there has been no system powerful enough to construct the replay scenarios required to bring this data back to life. Weston Digital Technologies' ground-breaking application programming interface, X-Stream is finally enabling air defence organisations to create such scenarios for the first time.

Developed in partnership with one of the world's largest and most respected defence companies and leveraging the advanced capabilities of Weston Digital's Symphony™ family of products, X-Stream™ enables system integrators in the tactical environment to create replay sessions to which they can add combinations of different sources of information, including audio, screen recording, and radar data. These sessions are being used for mission debriefing purposes and for accident and incident investigation. They are also proving to be an excellent source of real-world material for use in operator training.

a range of target destinations to be specified for each of the sources. This means for instance, that one or more audio sources can be targeted to one or more specific users' handsets at the same time. Where multiple audio sources are being routed, they are automatically mixed by the system. Similarly, screen recording and other data sources can be selected and targeted at one or more replay devices in the same way. This means that in a classroom situation, each pupil is able to receive the same audio in their handsets and see the same screen data on their terminals as the rest of the class and of course the trainer.

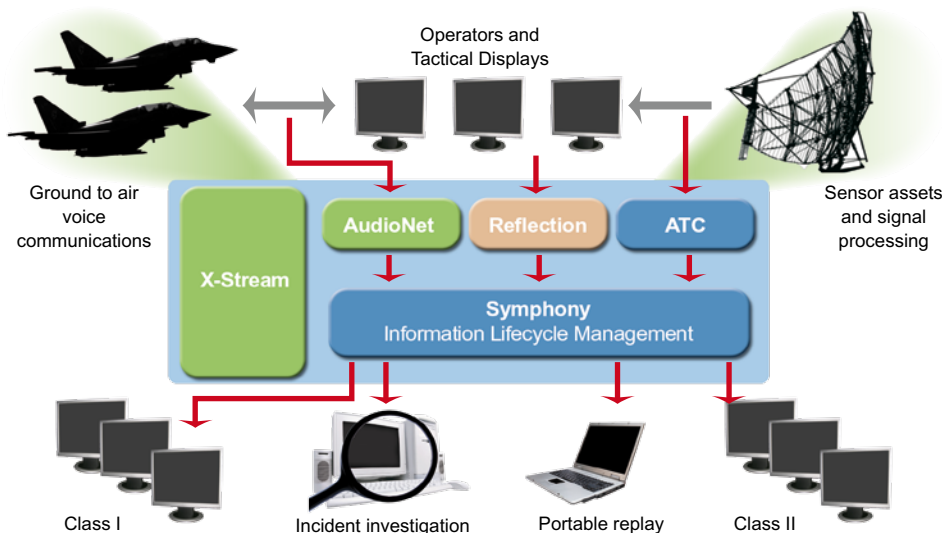
SOPHISTICATED REPLAY SCENARIOS

As well as providing the ability to combine any source of data within a replay session, X-Stream also enables

Once the replay session has been constructed it can then be manipulated as a single object. Start and end times of the session can be specified as can the replay speed; the session can also be paused, resumed and re-positioned all without needing to reconfigure the internal source and target matrix. It is also possible to modify the session in real time by, for example, muting or un-muting specific audio sources. This means that individual pupils can then choose the sources that they actually want to hear – a key decision during real-world missions. This capability turns the system from a useful tool for post-mission analysis into one that can have a real impact on the effectiveness of the training regime.

Note that it is possible to have several replay sessions active at the same time which means that X-Stream is able to be used simultaneously for both operational and training purposes without resource conflicts.

SYMPHONY IN AIR DEFENCE



TRANSFORMING AIR DEFENCE OPERATIONS

X-Stream can also be used to perform selective extractions for use with a Portable Replay Facility which generally takes the form of a high performance portable workstation or laptop. This provides air defence organisations with the ability to use data such as audio, screen recording and radar information during mission debriefing at a remote location. This means that debriefing can be achieved rapidly in the conflict arena, providing vital information for senior personnel and air crews trying to understand how their mission fitted into the bigger tactical picture.

X-Stream is already providing unrivalled functionality to one of the world's largest air defence contractors. Its scenario reconstruction capabilities are unique in the marketplace and it is set to transform the way in which mission debriefing and incident investigation is carried out by combining and synchronising the vast quantity of data that is captured every second of every day. By providing exact real-time scenario replays, X-Stream will also transform the way in which air defence training is currently performed.

ABOUT WESTON DIGITAL TECHNOLOGIES

Weston Digital Technologies is one of the world's leading providers of voice, video and data recording solutions. Weston Digital's mission is to provide its private and public sector clients with mission-critical solutions tailored to match specific needs, enabling them to meet their regulatory and business requirements. Headquartered in the UK with regional offices in New York, Hong Kong, Bangkok and Sofia, Weston Digital is a technology-driven company that has long been at the forefront of innovation within the industry.

FEATURES AND BENEFITS

A UNIQUE SERVICE OFFERING

- Enables the construction of replay scenarios for use in mission debriefing, accident investigation and user training
- Unlocks the value of volumes of data stored for defence purposes

INTUITIVE AND SIMPLE TO USE

- Provides effortless construction of highly sophisticated replay scenarios
- Forms part of the Symphony family of products

HIGHLY FLEXIBILITY SOLUTION

- Enables replay sessions to be constructed with any combination of data
- Enables a range of target destinations to be specified for each of the data sources

DATA CAN BE EXPORTED TO A PORTABLE REPLAY FACILITY

- Enables detailed mission debriefing to be performed at remote locations
- Provides vital tactical information rapidly and clearly

REPLAY SESSIONS CAN BE MANIPULATED AS SINGLE OBJECTS

- Enables training sessions to be tailored to meet specific requirements
- Creates highly realistic training scenarios

SEVERAL REPLAY SESSIONS CAN BE ACTIVE SIMULTANEOUSLY

- Enables system to be used for both operational and training purposes simultaneously
- Guarantees that there are no resource conflicts

RANGES OF DATA CAN BE EXTRACTED FROM THE SYSTEM AND STORED ELSEWHERE ON THE NETWORK:

- Enables selective long term archiving of important time periods
- Enables archived information to be re-imported and used for the creation of replay sessions

BACKED BY WESTON DIGITAL'S MARKET-LEADING SUPPORT CAPABILITY

- Ensures a smooth, tailored and hassle-free implementation
- Provides access to the highest quality training and customer support

CONTACT INFORMATION

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