

## Scalable Intelligent Video Server System

### EU-funded Project set to lower the Barrier to Entry for Media-rich Services

Havant, UK, 9th September 2004. The European Union is to fund research into the future of content distribution servers and networks with the aim of lowering the barrier to entry for the creator, provider and consumer of media-rich services.

The €3.65m project - **Scalable Intelligent Video Server System (SIVSS)** - is part of an Information Society Technologies priority (IST) and will run until December, 2005.

SIVSS' aim is to develop enabling technology for scalable storage and handling of rich audio-visual signals. SIVSS is specifically focused on providing a communication and storage infrastructure with a throughput scaleable up to 1 Tb/s (Terabits per second) at a new threshold of cost effectiveness.

The new architecture is particularly well suited to emerging markets utilizing rich media data streams, such as mass access content distribution and streaming video security applications.

#### Project's Aims

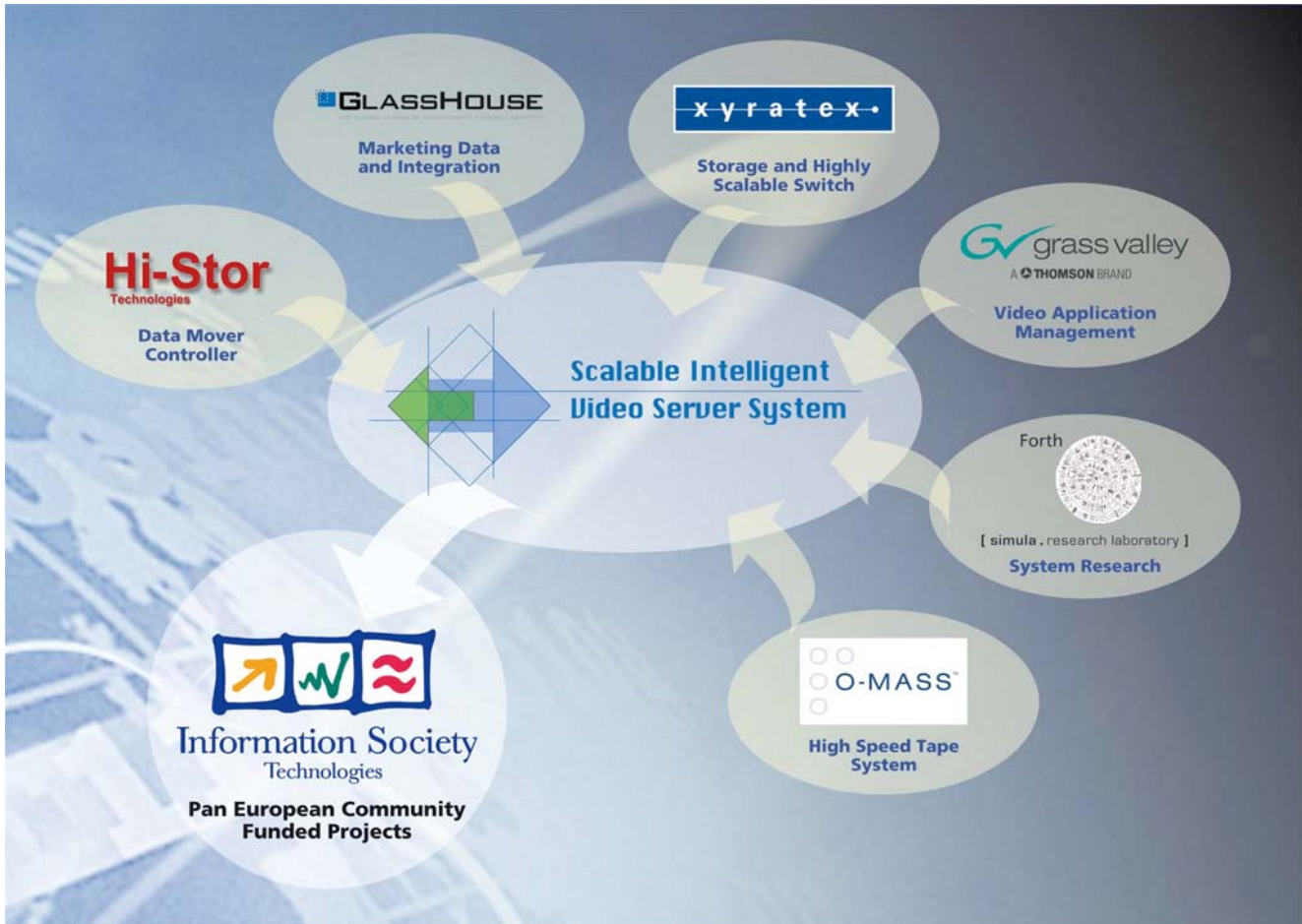
The project's overall objectives include:

- Combine low cost, high density, high performance storage devices with highly scalable switching technology
- Develop and integrate a near linear highly scalable switching fabric, capable of up to 1 Terabit of bandwidth performance
- Dramatically reduce the cost of large scale video distribution, editing and security systems
- Contribute to the creation of new learning methods through low cost availability of rich media

SIVSS brings together some of the European leaders in Storage and Video Technology to collaborate together for the first time in a joint development activity , with each partner contributing their specific area of expertise (see chart):

- Xyratex (Project Coordinator)
- Thomson Broadcast & Media Solutions GMBH
- Foundation for Research & Technology – Hellas (FORTH)
- HiStor Technologies
- OMass AS
- Simula Research Laboratory AS
- Glasshouse

'Given Thomson's vast experience and leadership in the development of advanced server and storage technology, we are pleased to support in the ongoing development of technology initiatives such as the SIVSS,' said Wolfgang Huther, Research and Development Manager of Post Production Solutions of Thomson Broadcast & Media Solutions.



Eddie Townsend, Business Development Manager, Xyratex, added 'It has been a major achievement to have been able to pull together a skilled consortium of industrial members coupled with academic partners of world standing in the field of switch and storage system architectures. We have been able to work with the European Commission to develop a project that will result in new breakthroughs in technology while at the same time reducing the cost.'

Partners will be available to discuss the SIVSS project at the following events:

- Xyratex at the Intel Developers Forum (IDF), 7-9<sup>th</sup> September, 2004, San Francisco, USA
- Thomson Broadcast & Media Solutions at IBC, 10-14<sup>th</sup> September, Hall 11, Stand 551, Amsterdam, The Netherlands

### About Xyratex

Xyratex is a leading provider of enterprise data storage subsystems and network technology. The company designs and manufactures enabling technology that provides OEM and disk drive manufacturer customers with data storage products to support high-performance storage and data communication networks. Xyratex has over 20 years of experience in research and development relating to disk drives, storage systems and high-speed communication protocols.

Founded in 1994 in an MBO from IBM, and with headquarters in the UK, Xyratex has an established global base with R&D and operational facilities in Europe, the United States and South East Asia.

[www.xyratex.com](http://www.xyratex.com)

## **About Thomson Broadcast & Media Solutions**

Thomson Broadcast & Media Solutions delivers products and systems for broadcast and TV/film professionals. These open, integrated digital products work together along the entire digital video chain to support a variety of workflows, from content capture and acquisition through production, post production, content delivery and delivery. Thomson Broadcast & Media Solutions is the leading provider of servers and media storage systems worldwide. It has an Emmy® award-winning legacy of server and storage technology.

<http://www.thomsongrassvalley.com>

## **About Glasshouse**

GlassHouse Technologies, Inc. is the global leader in independent storage services. We provide a full range of storage and backup consulting and services to Fortune 1000 and Global 2000 organizations seeking to maximize investments in enterprise storage. Our client base of large and medium-sized enterprises in the financial services, manufacturing, insurance, health care, biotechnology, life sciences, media, telco and technology sectors depend on GlassHouse's vendor-independent service offerings to match the value of data to the cost of the systems storing the information. <http://www.glasshouse.com/company/overview.html>

## **About Simula Research Laboratory**

Simula Research Laboratory (Simula) was established in January 2001, through a resolution of the Norwegian Parliament. Simula is named after the world's first object-oriented programming language, Simula, which was invented and developed more than thirty years ago by the award-winning Norwegian pioneers Kristen Nygaard and Ole Johan Dahl.

Simula Research Laboratory conducts basic research in selected areas within information and communication technology. The main objectives of Simula are to conduct high quality research, educate graduate university students and support the establishment of business based on the research it conducts. Hence, all research projects are designed with a potential for application. <http://www.simula.no>

## **About FORTH**

The Foundation for Research and Technology - Hellas (FORTH) is one of the two main national research centres in Greece and consists of seven Institutes located in the cities of Heraklion, Rethymno, Ioannina, and Patras. FORTH belongs to the wider public sector, supervised and partly funded by the [General Secretariat for Research and Technology](#) of the [Hellenic Ministry of Development](#).

FORTH, recognising the importance of science, technology, and innovation in today's world, is actively pursuing high quality basic research, development of innovative technology, collaborations with industrial partners within and outside Greece, creation of spin-off companies, promotion of specialised services and products, development of Science and Technology Parks, and educational activities in collaboration with universities. <http://www.forth.gr/>

## **About OMass**

O-Mass AS was formed in 2000 with the specific task of developing and commercializing very high density recording magnetic tape technology. The company has filed for worldwide patents to critical elements of the technology, and has successfully demonstrated a prototype version of the technology. O-Mass is headquartered in Oslo, Norway, with product development taking place in Norway and locations throughout Europe and the USA. O-Mass is owned by Tandberg Storage (Oslo, Norway) and Imation Inc (MN, USA).

## **About Hi-Stor**

Hi-Stor Technologies specialises in providing technologies, systems and solutions for the data storage industry. Founded in 1997 in an MBO from Pertec France, Hi-Stor employs 35 people with around 60% working in research and development programs in storage. Hi-Stor business model involves developing advanced technologies and storage archival systems under long-term contracts with majors from the storage industry, increasing its expertise and intellectual property both in hardware (optical recording, tape recording,...) and storage middleware layers.

Hi-Stor is recognised by its international customers as a key partner in creating new technologies and innovations. [www.histor.fr](http://www.histor.fr)

## **Editor's Notes**

For further information please visit the SIVSS website - [www.sivss.org](http://www.sivss.org) – or contact:

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Further Information can also be obtained from the IST Projects website  
<http://www.cordis.lu/ist/projects/projects.htm>