

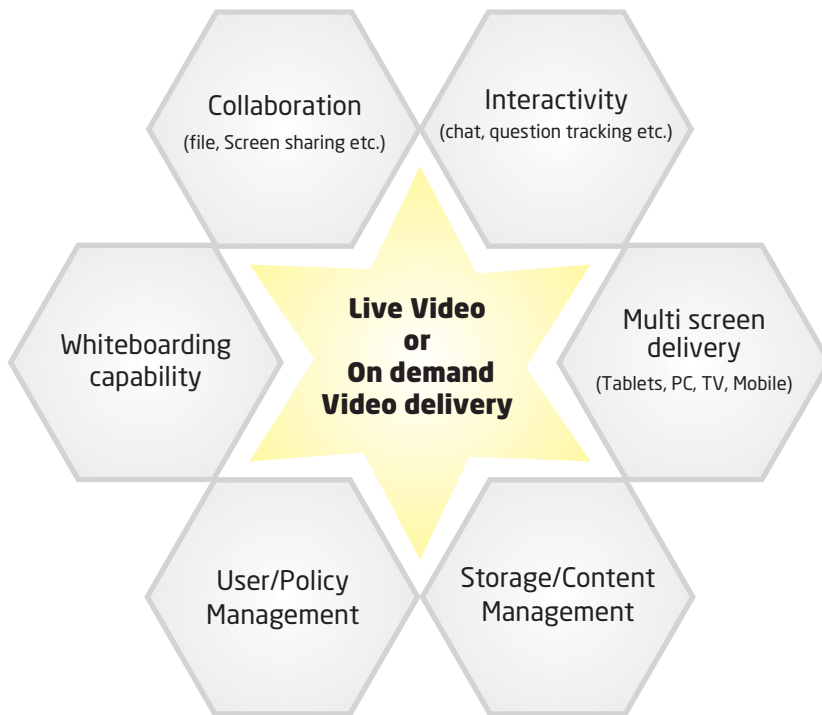


# TMX virtual classroom solution

Virtual Learning is on the rise globally among educational institutions and large corporates. Cost, convenience and life style continue to drive the need for on-demand self-paced learning, real time student-teacher interactions and student-student collaboration.

With increasing diversity of content consumption devices, the need for a scalable content delivery system is a big challenge in deploying a Virtual Classroom solution. AL TEN Calsoft Labs helps customers meet this challenge by offering a cloud based solution for effective educational content delivery addressing both real-time and on-demand needs.

TMX is a scalable multi-platform video streaming enabled virtual learning system, fine-tuned for the evolving e-learning space. Architected with scalability, modularity & multiplatform delivery in mind, TMX can act as a standalone virtual class room solution or as an integrated module with an existing learning management system.



TMX Virtual Classroom

Live lecture capture & delivery solution



TMX solution

integrated with 3rd party LMS

## Key Features



### Cloud Based Solution

TMX is designed for deployment as a cloud application. It has been extensively tested in public clouds like Amazon cloud and private clouds, and provides much needed scalability and adaptability for integration with distributed databases and datastores.



### Engage effectively with students

TMX allows presentations, videos and screens, to be shared easily, allowing tutors to engage effectively with students. Options to queue student questions make sure that student's queries are addressed in an efficient manner.



### Multi-Screen Delivery

Whether it is an iPad, Android Tablet, Mobile devices or a traditional PC, TMX can adapt itself to deliver content simultaneously to multiple end devices.



### Interactivity

Support for features like Chatting, File sharing & screen sharing allows one-to-one or one-to-many interactions.



### Multi-Format Delivery

Supporting almost all streaming formats & containers including Apple live streaming, progressive streaming, Silverlight smooth streaming, H.264, VC8, Flash, MPEG-2. TMX is able to meet the needs of different end users.



### Collaboration

With advanced features like document sharing, group messages, note taking, etc. TMX simulates the virtual class environment to maximize impact.



### Accelerated Content Delivery

With support for content caching & load balancing, TMX has the ability to accelerate content delivery to end users.



### White-boarding

State of the art whiteboard option for the tutor enables best simulation of a class room environment.



### Intelligent Bandwidth Adaption

TMX automatically adapts to the bandwidth conditions and intelligently switches over to low bandwidth video delivery in case of poor network conditions.



### On demand lecture delivery

With inbuilt storage, archival and powerful search functionality, TMX can offer on demand video content delivery to suit multiple methods of teaching.



### Browser Based Management

Simple yet powerful browser based management console of TMX enables the users to control every aspect of the media content lifecycle.



### Plugin Environment

Plugin architecture allows TMX to be an extendable solution that can be easily integrated with the existing Learning management systems like Moodle, OLAT, etc.



### Painless IT Management

TMX alleviates the IT pain points such as BYOD, DIY & QOE Management. Multiscreen capabilities, support for virtually all lecture capturing systems, and ability to visualize & control QOE parameters are some of the key IT friendly features of the TMX platform.

### Customization and on-going support

ALTEN Calsoft Labs leverages its rich experience in development of virtual classroom and LMS solutions to provide customization and support services to leading institutions.



#### ABOUT ALTEN CALSOFT LABS

ALTEN Calsoft Labs is a next gen digital transformation, enterprise IT and product engineering services provider. The company enables clients innovate, integrate, and transform their business by leveraging disruptive technologies like mobility, big data, analytics, cloud, IoT and software-defined networking (SDN/NFV). ALTEN Calsoft Labs provides concept to market offerings for industry verticals like education, healthcare, networking & telecom, hi-tech, ISV and retail. Headquartered in Bangalore, India, the company has offices in US, Europe and Singapore. ALTEN Calsoft Labs is a part of ALTEN group, a leader in technology consulting and engineering services.

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