

# FORTERRA

## SYSTEMS INC

### VIRTUAL WORLD SOLUTIONS FOR THE HEALTHCARE INDUSTRY

#### Company Background

Forterra's software and services enable organizations to train, plan, rehearse, and collaborate in ways previously considered impossible or impractical. Forterra Systems provides virtual world technology to support a variety of applications within the healthcare industry. Using the OLIVE™ (On-Line Interactive Virtual Environment) software platform with industry standard PC hardware, customers and partners can rapidly generate realistic, collaborative, 3D Internet solutions that easily scale from single user applications to large scale simulated environments supporting thousands of concurrent users.

#### Healthcare and Medical Applications

Forterra's software and services are successfully supporting the following healthcare applications:



#### Product Strengths

OLIVE provides unique, collaborative virtual world capabilities for healthcare organizations interested in solving process, treatment, and training challenges. Key product features include:

- **Private Secure Worlds**
  - Operate behind or through Firewalls
  - Ability to address HIPPA requirements
- **Superior User Experience**
  - 3D audio
  - Engaging, realistic avatars and graphics
- **Reliable & Available**
  - Anytime and anywhere there is a PC with connectivity
  - LAN, WAN, Internet deployments
- **Open & Extensible Architecture**
  - Compatible with industry-standard 3D content development tools
  - Compatible with SCORM and Learning Management Systems
  - Customers and 3rd party developers can build their own solution
- **Healthcare Industry Features**
  - Plug-in physiology models clinical realism
  - Medical equipment and VR interfaces

Our standard Medical Content Pack includes the basics for a medical environment: a nurse, physician, patient avatars, virtual hospital, and more.

## Benefits

Forterra is an innovative leader in the application of virtual world and simulation technologies, solving today's problems and designing solutions for the challenges in tomorrow's healthcare and life sciences arena. Applications of Forterra's software and services provide the following benefits:

- **Improve** patient safety
- **Increase** collaboration, leading to a reduction in healthcare costs
- **Offer** immersive therapy and rehabilitation
- **Reduce** medical errors through improved communication and team skills
- **Expand** the training opportunities available to a wider spectrum of care-givers and outreach programs
  - **Reach out** to consumers with a branded virtual world experience

## Solution Development

The Forterra Studios team can assist those interested in the application of virtual world technology to develop and deploy real solutions for healthcare applications. Leveraging a variety of partner relationships, Forterra is able to offer significant experience developing and deploying applications in the healthcare arena. In fact, sponsorship from the US Army Telemedicine and Advanced Technologies Research Center (TATRC) has been an important part of our accomplishments in the medical area. Forterra is at the heart of a growing ecosystem of industry leading companies and organizations dedicated to solving healthcare challenges with virtual world and simulation technologies. The combined experience of the Forterra Studio's team with the partners and organizations described below bring the right capabilities to solve your real-world challenges in the healthcare field.

Advanced Initiatives in Medical Simulation  
Federation American Scientists  
Greenleaf Medical Systems  
IBM  
Research Triangle International  
Rohde & Assoc.  
Society for Simulation in Healthcare

Stanford School of Medicine—SUMMIT  
University of Central Florida—  
Institute for Simulation & Training  
US Army Telemedicine & Advanced  
Technology Research Center \*  
US Army Research and  
Development Command

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If you are interested in becoming a new partner to Forterra or would like more information, please contact us:

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### Available Resources:

Medical Applications: <http://www.forterrainc.com/healthcare>  
Demos & Screenshots: <http://www.forterrainc.com/videos>  
White Papers & Articles: <http://www.forterrainc.com/resources>

