

# Abstract

## IPRO 316 New Applications of Virtual Reality Training Fall 2007

### **Purpose:**

IPRO 316 is working with Product Animations Inc. to research new applications and distribution methods for their immersive, 3D, virtual reality training software. This product has the potential to decrease training time and cost, while increasing training effectiveness in a safe environment. Currently Product Animations' core products are focused in pharmaceutical manufacturing and packaging equipment and they are looking to diversify into other markets.

QuickTime™ and a  
TIFF (Uncompressed) decompressor  
are needed to see this picture.

### **Conclusions:**

Working in four sub teams we focused in two distinct areas. Two groups looked into opportunities similar to PAI's current products, which are low volume but have high value to potential users. The other two groups looked into an Application Service Provider, a method of providing products over the Internet, and into Homeland Security/Emergency Response applications that would be provided over the Internet and not demand the same amount of interactive training.

We have found applications in operator training for heavy machinery, specifically high-rise cranes, and within John Deere in their agricultural equipment. We have also created an application service provider web site in order to demonstrate feasibility and looked into smaller applications.

#### **Administrative Team**

Ian Roe  
Jeffrey Stanford

#### **ASP Team**

Mark Malanowski  
Kyle Knopp

#### **John Deere Team**

Erik Doolittle  
Jeong Shik Kim

#### **Operator Training Team**

Nick Cantoni  
Erik Mead

#### **Homeland**

**Security/Emergency  
Response Team**

Shane Steward  
Ah Reum Jeon