
Virtual Training Environments



APPLIED STUDIES GROUP

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Who is Applied Studies Group?

Applied Studies Group LLC was founded on the premise that virtual simulations and training is not exclusive to large organizations with multi-million dollar budgets. In fact, the ones that have most to gain by the reduced cost and increased efficiency computer based training brings are smaller organizations. By being able to deliver customized scenarios using off-the-shelf software, our goal is to bring the capabilities of the major national

organizations to the local branch office and small business segments. Applied Studies Group uses computer simulated training based upon an "execute and learn" premise. By utilizing the experience based training and following experience based learning guidelines, rather than Power Point and classroom presentations. By focusing on cognitive and team-based skills, you can significantly improve the readiness of your work force. These hands-on scenarios are tailor-made for each client according to your requirements. ASG is a US based company currently operating worldwide.

"A serious game is a computer game made specifically for educational purposes, an application developed with game software technology and game design principles for a primary purpose other than entertainment."

Serious Games – What's it all about?

Basically it's about providing a virtual world –a huge, life-like world that can be used for training and simulations. Successful Serious Games emulate real-world environments and produce credible real-world results which are testable and verifiable, in some fashion. They *help train users to do their jobs better* and can lead to new, more successful methods of operation.



For military and law enforcement organizations this means having a place to bring out the vehicles and guns without having to spend a single cent for fuel or ammo. It also means that you can schedule training and not have to worry about weather, venue conflicts or physical injuries from training.

This world, is it really realistic?

Yes. You have towns and villages, trees and grass waving in the wind, wild and domestic animals and of course people. The environment is destructible within limits and there are



realistic bullet ballistics. *Everything* is customizable, from the map itself to the buildings, the clothes and uniforms, the vehicles you drive and the gun in your hand to the vegetation and time of day. That comes in handy in developing operational procedures and even in mission rehearsals, several militaries using this Serious Game have made copies of entire cities in Iraq, Afghanistan and elsewhere.



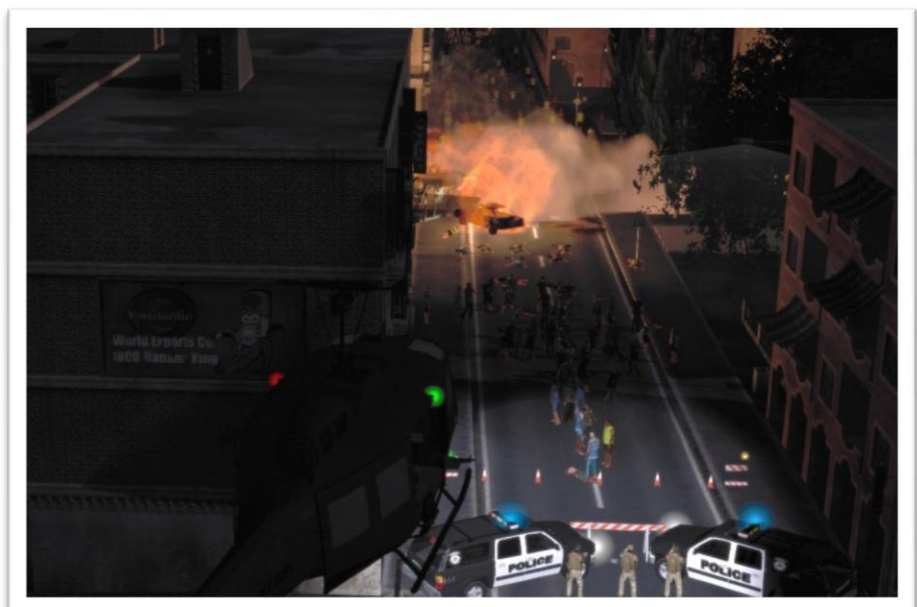
Applied Studies Group can provide quite a few locations within one map area. Some of the most popular include: 3 small air fields of differing size and type, rural settings such as small towns about the size of Delphi, Indiana and a warehouse district with railroad and port facilities, towns with a more cosmopolitan look and feel to them as well as several small shoot house environments. One of the shoot houses is a small 4 story hotel that is large enough to land a helicopter on the roof, but not so large that a 5 man team would be lost inside it.

So how can I use this thing?

However you wish; it's totally up to your needs and requirements. We will work with you to develop just the type of environment you want and then help you implement it. Mission rehearsals were mentioned above. The military uses it to drill convoy standard operating procedures. It is easy to put a unit's vehicles into a copy of their AO thus giving them a 1:1 scale of their future mission for practice.



Special units use this software to plan real-world missions. This software is used in training special teams in hostage rescue procedures, nuclear, biological and chemical scenarios and a myriad of other situations. Basically, this is a great tool for introducing, teaching and rehearsing new drills and operating procedures and for training communications within and between different units, especially in a networked configuration.



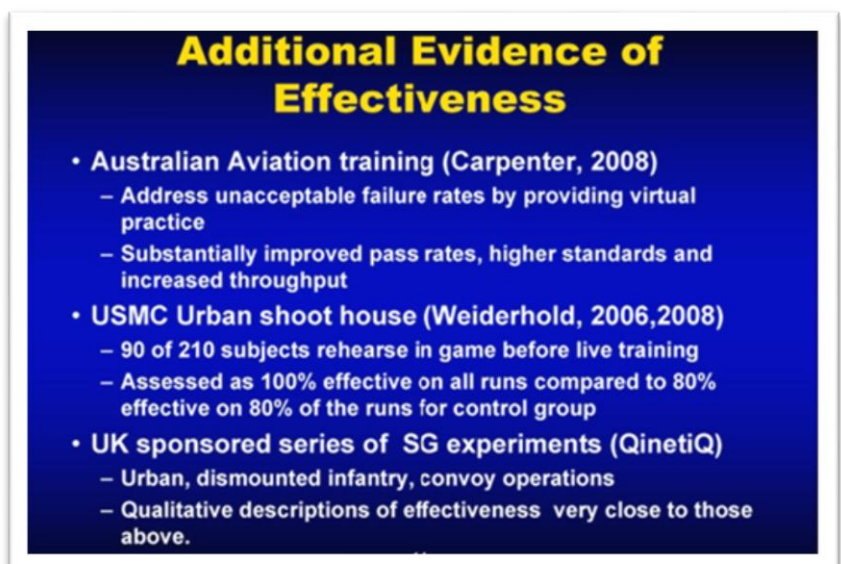
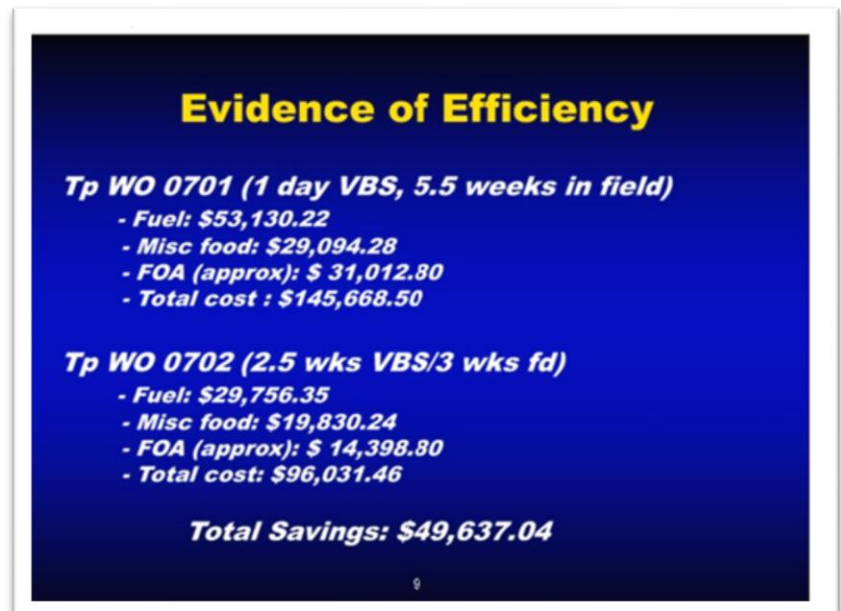
You can use it to develop new teams or to further weld together an existing team. It could very well be the tool that turns a team of experts into an expert team.

When it comes down to it, it really is you and your imagination that decides how to use this excellent tool. And then, we make it happen.

Our training is already great, what's in it for me?

To be blunt, reduced costs and improved efficiency. For example, instead of taking all the gear out and doing contact drills maybe four times over six hours and then live one time at the end of the day, you can use the simulation to do the whole drill, with computer controlled enemies added as well, numerous times just before lunch. Then in the afternoon you go out and do it once or twice including the live fire drill, with a much better overall performance.

Serious games are a great complement to your regular training and they will save you time and money. However, the grip of your mouse can never be compared to the grip of your gun, or steering wheel. Therefore, the exact cost reduction and efficiency increase will depend on the type of training for which it is used. In the example above we could see that there would be great savings on fuel cost while also improving performance due to the unit being able to do more 'live dry runs' in the simulation.



Sounds great, how come everyone isn't using it?

Almost everyone *is* using it. It's in use today by the US Army, the US Marine Corps, the UK Ministry of Defense, the Australian Army, the Canadian Forces, NATO, the United Nations and many more. The Applied Studies Group even piqued interest of the Taiwanese Bureau of Investigation's Anti-Terrorism unit last year.

Nice – What do I need to start?

You need compatible hardware and the software licenses, all according to your requirements. We, Applied Studies Group, will handle the installation and setup of your system.

We can also help with the procurement of suitable hardware and software, which could be handy for the first-time user.

Great! – What else can you help with?

We can provide you with custom scenarios and models (vehicles, buildings, maps, uniforms, etc.) built according to your requirements. If you wish, we can also take care of the operation and maintenance of your system. We are a full service virtual simulation provider.