Digital Media Development & Consulting

Procedural & SHEQ Training ★ eLearning ★ Mobile Learning ★ 3D Animation / Video Production
Virtual Work Place Simulators ★ Virtual Reality Solutions ★ Augmented Reality
Health & Safety Consulting & Software

The Training & Safety Development Company

www.boilerroom.co.za
The Boiler Room
Modular Development Matrix

* Powerhouse Data Library *
We have one of the world’s largest Industrial 3D Model Libraries and over 20+ years of Industrial Photographs and Video content

* Training Content Creation *
Byte Size Visual Training Development – Video, Photographs, 2D & 3D Animation

* Picture Based Assessments & Scoring *
eLearning & mLearning (Mobile Learning) Learner Management System (LMS)

* Nextgen *
Simulators, Augmented Reality, Virtual Reality, Multiplatform PC, Android, IOS – Tablets & Cell Phones

Scalable by bolting on other layers as needed

Induction programs
Safety campaigns
Maintenance systems
Simulators
eLearning
mLearning

Safety
OSH
SHEQ
industrial
construction
transport
petrochemical
working at heights
confined spaces

Visual communications
mLearning

Induction programs
eLearning
SHEQ

Accident reconstructions
OSH
SHEQ ISO

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The Boiler Room is a multimedia production company, specialising in the production of visual based procedure training, safety material & consulting.

We are experts in converting complex subjects into visual formats.

The services that The Boiler Room provide, include, but not limited to, Concept and Design Developments, Multimedia Applications, 2D/3D Animation, Character Animation, Video / Special Effects Production, Filming, Accident Re-construction, Inductions, Simulations, eLearning / mLearning, 3D Computer Games, Safety Campaigns, Safety Training, General Procedure Training, Maintenance Training Applications, Electronic Communications, Broadcast, App Development, Augmented Reality, Virtual Reality and Web Authoring. SHEQ consulting, Software, Management Systems, Auditing & Training.

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We have created a vast amount of Safety and Procedure Training modules using our unique form of visual communications. Here are only a few examples, there are lots more.

- Hot Work & Grinder Usage
- Cranes & Rigging
- Mobile Moving Machinery
- Scaffolding
- Working At Heights & Rescue
- Isolation Lockout & Tagout
- Confined Spaces & Venting
- Ladder Usage
- Mining - Scraper Usage
- Mining - Drill Rig
- Mining - Dredging Rig
- Mining - Baring
- Intermixing Machine
- Vehicle Exclusion Zone
- Mining - Shaft Sinking
- Accident Re-Construction
- Bull Dozer

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We have created hundreds of 3D characters that are used as the 'safety hero' or 'training guru' in our productions.

Our characters take on many forms such as an animals, mascots, or actual people, such as team leaders. Basically anything that a client feels will be relevant to their scenario. These characters can then be composited into a real life settings whereby they can interact with real people that we have filmed. The results are captivating and the audience is always amazed by such scenes.

Our 3D characters are very life like and have Full Human Bipedal Movement and 100% Lip Sync in any Language!
We have used visual based training to help many companies with their **site** and **company inductions**, **safety**, **procedural training** and **eLearning** and/or **mLearning** (mobile learning).

Let us assist you by creating an **LMS** (Learning Management Systems) **eLearning** and **mLearning** system. Our training incorporating video, animation, photographs, voiceovers, visual based questions, drag and drop interactions, all with customisable score tracking of the learner. All our LMS applications are Scorm Level 1.2 compliant.
Steeledale Login Screen
Via ID Number
Main Menu Contractor Menu
Contractor Sub-Menu Basic Picture Based Questions Feedback Given
Other Questions Other Questions Your Score
Certificate Printing Other Menu Section Print Tools

All Student Data is Recorded in a MS Access Format

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Inductions

We have used visual based training to help many companies with their **site** and **company inductions** and **eLearning** backends.

We have produced **video-based** inductions using footage that we have filmed and photographed, combined with 3D computer animation and advanced special effects.
Safety Campaigns

Let The Boiler Room help you with your Safety Campaigns. From safety campaign strategies to implementation and multi-platform roll outs. The Boiler Room is your first choice with our experience and successes in helping you reduce your risks and accidents.

A large number of our Safety Interventions have gone global due to the flexibility of our visual systems and the ability to lip sync in any language.

We have developed Mini Risk Assessments, Tool Box Talk Kits and Near Miss Reporting products and training systems for both paper systems and Tablet mLearning Systems.

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Accident re-constructions are never nice to have to generate, as behind a lot of these stories, is someone who has had to pay a horrible price. Let others learn from these accidents. We show what went wrong, and which \textbf{at risk behaviours} led to the accident. We then show how the accident could have been prevented. We show any new procedures or equipment that has been designed to prevent further accidents.

We have \textit{simulated hundreds of potential accidents} with huge success. These simulations are there to show the consequences of incorrect actions, at risk behaviours. They inform of what could happen when company standards and procedures are not followed correctly.

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\url{www.boilerroom.co.za}
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We're adamant that the next level of safety and procedure training is in 3D serious games - Virtual Reality Simulators!

We take reference photographs, video, point cloud information and recreate the site in a 3D virtual world. The learner can navigate their way around the virtual site identifying potential safety hazards or incorrect procedures or best practices. We in turn generate a scoring system and user controls that will educate and reinforce the company's approach to safety and training.

Our games give the learner far greater retention of information than was previously possible in conventional training. The fun way to learning begins!

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3D Serious Gaming

Mine Driving Rules Game

Airbus A380 in Maintenance Hangar

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VR, AR & 360° Filming

Virtual Reality (VR), Augmented Reality (AR) & 360 Degree Filming are all cutting edge add-ons to enhance our visual training experience.

Learner retention levels are pushing 90% with the use of VR technologies.

AR uses smart phone and tablets devices to interact with pre-programmed triggers. Once the device camera has triggered on an object, Menus, Sounds, Videos and 3D animations can be loaded.

360 filming is used in conjunction with VR Goggles to allow the learner a more realistic 360 degree video interaction.

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