

**Be prepared!
Practice to
improve skills.**



**Together
ahead. RUAG**

Welcome to RUAG Defence



As a technology partner, RUAG Defence helps armed forces carry out their operations successfully. We ensure they are able to prepare for their missions under the best and most realistic conditions possible.

An important part of our service range is the development, production and maintenance of a variety of virtual and live training solutions for soldiers, crews and units. Our modular products are tailored to your individual requirements. Furthermore they help to minimize cost and environmental impact at the same time. Our simulators, MOUT training solutions and innovative tactical analysis equipment are an efficient and highly effective way of reaching your training objectives and improving your skills.

As an official competence centre and a longstanding partner of the Swiss Armed Forces we have real experience in our field. Our specialists have their finger on the pulse of time and develop customized solutions meeting the requirements of tomorrow. This is how we establish personal longterm relationships with our customers. And where we lay the foundation which makes a successful and sustainable cooperation possible.

A handwritten signature in blue ink, appearing to read 'M. Zoller'.

Markus A. Zoller
CEO RUAG Defence



“Our STES training system enables us to effectively train a wide range of deployment scenarios from individual training up to platoon level. It is the best affordable simulation I can imagine.”

Customer statement, Officer, French Army

You have high expectations. We strive to exceed them.

RUAG Defence focusses on customers' needs: long lasting relationships, clearly defined contact persons, and an outstanding service make us your partner of choice - from individual consultancy through to maintenance or modifications of our products. As a Swiss technology company we maintain the high quality standards relied on by customers worldwide.

Individual solutions

We use all our comprehensive know-how and wealth of experience to create solutions tailored to you and your requirements. This is why we closely cooperate with you: from the planning stage until the completion of a project. Furthermore our customers benefit from a first rate, personal and confidential around the clock service.



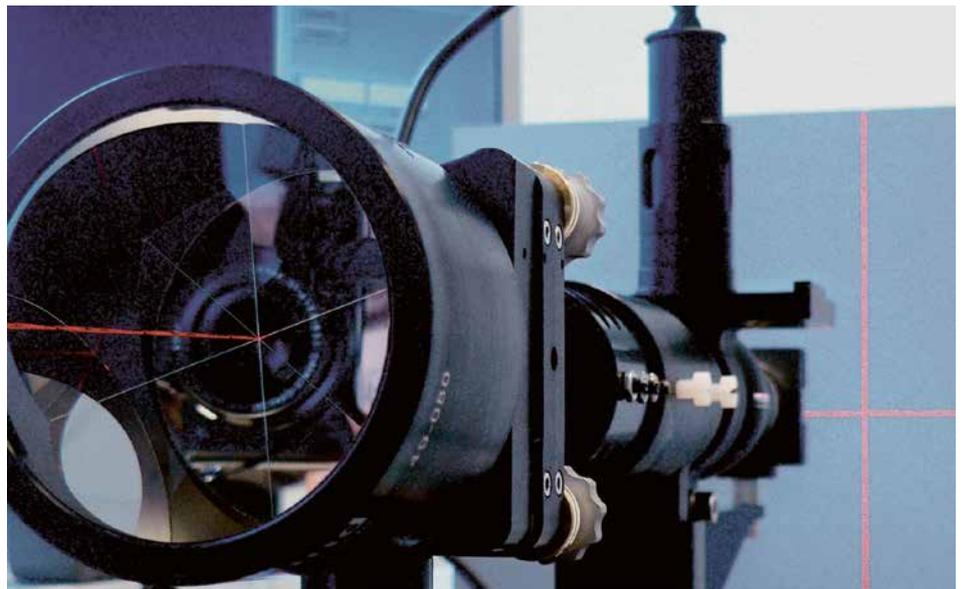
Premium performance

Highly skilled specialists, modern infrastructure and the latest computer software enable us to offer an overall capability for training solutions. This is how we guarantee top-quality technological products – modular, viable and upgradable. Whatever you expect from us: our service is efficient and competent – from application engineering to the life-cycle-management of our products.



Technology for tomorrow

Technological progress is rapid, especially in our field. Therefore we are always thinking a step ahead: anticipating the challenges of tomorrow. We closely cooperate with Technical Universities and other research institutes worldwide to develop innovative longterm solutions focussing our customers' future requirements.



Optimum solutions for maximum requirements

Technological know-how and innovation, combined with vast experience, enable us to offer a overall capability of training solutions. From individual to crew and unit training, from virtual to live training in built-up areas: Maximize your safety and minimize your environmental impact with our smart and customer designed modular training solutions.

Integrated Logistic Support (ILS)

Unit Training

Brigade Level



To enable a high standard of combat readiness and an improved probability of mission success

Crew Training

Team/Platoon Level



To combine the different individual tasks into appropriate combinations, for the best possible teamwork

Individual Training

Soldier/Team level

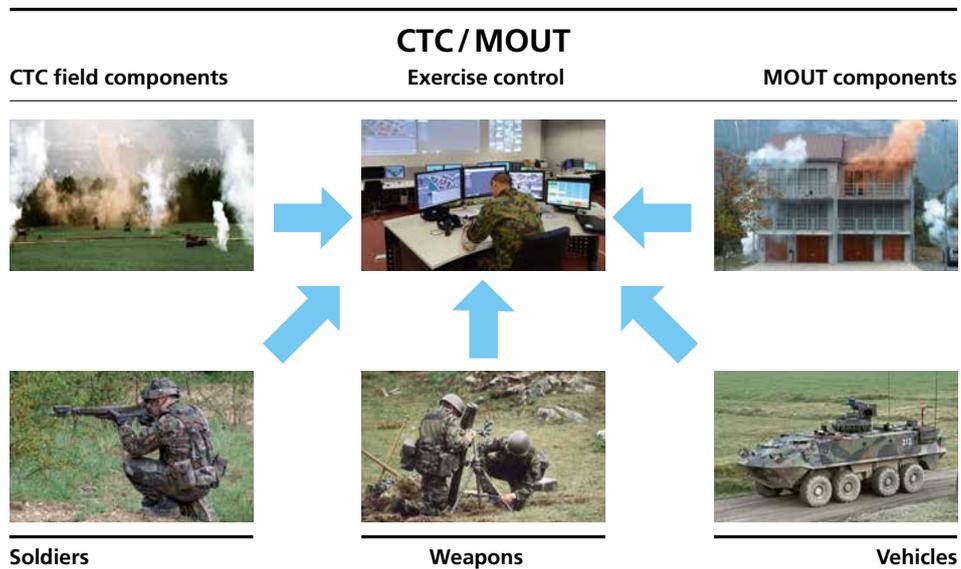


Task-specific, to train the basic skills and get proficiency in each individual task

Full Service Support

The real thing: Live Training Systems

Our scalable solutions for live training can be deployed in open areas as well as in built-up areas. They allow highly realistic training for soldiers, platoons and up to the level of battalions – tailored to specific training requirements. Our tools are easily mounted and fixed or mobile Combat Training Centre (CTC) ensures interaction of all weapons and additional equipment and allows individual evaluation and tactical analysis. RUAG's live training systems stand for effective training in real environments under real conditions.



Our products at a glance:



Soldiers: modular system "Gladiator"

Gladiator is a modular high-tech harness training system developed for realistic training of special units, police and combat troops. It allows the practicing of firing and movement within a large variety of scenarios without the use of live ammunition. Depending on the particular version, the range of functions realised include medical treatment system, differentiated vulnerability models, urban operation trackings and data operations and after action review.



Weapons: simulators for all types of weapons

Our laser simulators allow the simultaneous training of firing and movement under real conditions. They are either integrated on real weapons or replicas of the original weapon. Depending on customers' requirements the simulators are available as one-way or two-way laser systems for the realistic training on rifles, mortars, IED's, grenade launchers, directional mines, guided or unguided missiles and more.



Vehicles: modular system for combat vehicles

Vehicle mounted combat systems were developed for conducting live tactical and gunnery training with realistic weapon handling. The superimposition of the tracer trajectory into the sight is one of the features that make our vehicle training system exceptional. The systems are available for a variety of combat vehicles.



CTC/MOUT components: for a realistic training

RUAG supplies complete live simulation platforms for training on built-up terrain: Buildings are equipped with fixed and mobile sensors and effects, such as smoke, flash, acoustic effects, building damage simulation or laser shot detectors. It is thus possible to simulate complex and varied combat scenarios which allow the realistic exercise including detailed after action analysis.

As realistic as it gets: Virtual simulation for individual and crew training

Our virtual training and simulation systems combine real people and real platforms with a virtual environment. They encompass original control units and – depending on your requirements – motion systems, audio systems, and environmental representation using high-resolution visual systems. Our highly available training systems allow effective exercise at reduced cost and without any environmental impact.

Gunner Training Simulator

RUAG's Gunnery Training System (GTS) supports individual gunner training and helps improving tactical gunnery skills. Training takes place in the crew station using actual control systems and complete virtual simulation. Therefore a high level of training environment realism is achieved. Trainees' performances are continuously monitored allowing a comprehensive after action review.



Advanced Driver Training Simulator

Our Advanced Driver Training Simulator (ADTS) has a six axis electro-mechanical motion system that works in conjunction with a 3D visual system and professional sound equipment. It allows drivers of tracked and wheeled vehicles to perform complete training tasks in realistic environment and thus effectively improve their driving skills in urban and cross-country environments or military base areas.



Crew Training Simulator

To enable a high standard of combat readiness and increase mission success, RUAG has developed an effective Crew Training Simulator (CTS). Its modular design allows system configurations for a wide range of applications depending on individual customer requirements. User-friendly instructor stations, comprehensive evaluation and debriefing facilities and individually developed exercises make the most efficient and target-oriented training possible.



Associated services

To enable the trainees to concentrate on their main task, professional operation and maintenance of such complex systems such as training centres is a must. This is why RUAG offers reliable additional services before, during and after the training sessions – all from one source and with one point of contact.

Integrated Logistics Support (ILS)

Our specialists transform the training area into an instrumented battlefield where users can focus fully on their training tasks. Our services include preparations of exercises, operation of technical installations, maintenance of simulation equipment and replacement-, restocking- and storage services.



Full service support during product life-cycle

As an experienced manufacturer of simulators for live and virtual training, RUAG is familiar with the operation and support of such complex and technically demanding equipment. Our full service support guarantees operation around the clock, 365 days a year: from configuration management to regular upgrades and software updates through to reliable maintenance and documentation services.

A unique combination of benefits

Customers of RUAG Defence can take advantage of an outstanding and unique combination of benefits. Below are just some of the many reasons why making us your partner of choice for all your simulation and training solutions makes sense.

Experienced

As a longterm partner and competence centre of the Swiss Armed Forces we have considerable experience in creating customer designed modular training solutions that are fully focussed on your training requirements.

Reliable

We strive for the very best in everything we do, and apply only the highest standards of Swiss quality. Our commitment and pursuit of perfection make us our customers' long-term partner of choice.

Cost-effective

Price/performance ratio is a decisive factor when it comes to choosing a partner. Our solutions help you decrease training costs while you effectively achieve the set objectives.

Competent

Comprehensive knowledge, constant further training and anticipation of future requirements: our specialists have the competence and commitment to always develop the optimal solution.

Sustainable

Our live and virtual training methods help you to protect the environment and decrease the risk of accidents whilst ensuring a realistic training environment.



“Armed Forces are under enormous cost pressure. RUAG’s simulation and training systems are an effective way to save expenses without compromising on training quality.”

Max Fenner, Colonel (Retired), Commander Land Forces Training Centre (Swiss Armed Forces), 2005–2011



