

**simu
lation
at the
cutting
edge
of
techno
logy**



our mission

**Agueris is a new first rank player
in training & simulation.**

**Agueris designs, develops,
integrates, deploys and supports
military simulation solutions
for land/airland weapon systems
and vehicles. Especially,
Agueris designs vehicle specific
simulators and gunnery
training solutions.**

**Our mission: optimize operational
efficiency through cost-effective
training and simulation.**



the company

Agueris was created in April 2015 and is a fully-owned subsidiary of CMI Defence, a leader in multifunctional high-effect turrets in the 25 mm - 120 mm range for light and medium armoured vehicles.

With a proven expertise and a team of 25+ years experience in military simulation, Agueris ambitions to become a reference actor in the field of land military simulation.

**“From the land domain, for the land domain”:
while in this industry most companies come from aviation training, Agueris comes from land forces training, one of the most challenging and demanding domains.**

Agueris is based near Paris, France.





*“Our solutions
enable to train
anywhere”*

A COMMON FRAMEWORK

Agueris products are designed to provide operational training to weapon systems operators and crews. Rather than building new simulators each time a specific weapon system is considered, Agueris has developed a common technical simulation core that can be adapted to reproduce the specifics of the targeted system.

Agueris develops its solutions with two goals in mind:

- Enable trainees to acquire the technical know-how allowing the management of the weapon system and vehicle in any context or situation
- Develop the tactical know-how enabling units to react accurately while facing various operational contexts

Agueris solutions are used both in training schools to train the officers for their first mission as commanders, and ensure basic training of drivers and gunners, or within operational units to maintain operational know-how at all levels: crew – patrol – platoon – battlegroup.

Each simulator built by Agueris includes a high-fidelity visual engine, as well as a full synthetic tactical environment. All Agueris solutions share a common core platform including:

- Simulation engines (physical, visual, communications and tactical – computer generated forces or CGF)
- Interoperability framework
- Instructor station

The instructor station has been designed by operational experts to ensure its quick adoption by end-users. It provides views and windows which display all functions, controls and monitoring necessary to develop and conduct the training. It also incorporates scenario creation features, after-action review, exercise and student database management functions.



*“ The most
cost-effective
training
solution ”*

GENERIC VIRTUAL SIMULATORS

Agueris has developed and deployed scalable training solutions based upon a virtual immersive cockpit concept which offers unprecedented features. This concept rests on a virtual representation of the turret cockpit or the inside of the vehicle, into which out-of-the-window imagery is injected.

Agueris generic virtual simulation concept covers all “train as you fight” requirements: the trainees interact with high-fidelity commands and controls, within an immersive photorealistic 3D environment.

Benefits are the following:

- **Simplicity:** maintenance is easy and requires only IT intervention
- **Portability:** the system is light and can be projected in flycases to enable training outside specialized training centers
- **Scalability:** from technical drills to tactical training, up to combat team level
- **Versatility:** from technical to tactical training, from ergonomic studies to mission rehearsal

In addition, virtual cockpit simulators can be adapted to provide an all-in-one training solution by dynamically switching between multiple weapon systems and vehicles on a single trainer:

- **Cost-Effective approach:** only one simulator is used, without the need to redevelop specific simulators for new systems
- **Adapts to the lifecycle of equipment** (retrofits or upgrades)
- **Allows to train multiple crews on different systems, simultaneously.**



*The true
meaning of
“train as
you fight”*

EMBEDDED SIMULATION

Agueris was amongst the first to operationally deploy embedded simulation solutions. Embedded simulation enables weapon systems operators to train at technical and tactical levels, using the real-world equipment (turret or vehicle), stimulated by simulation.

Agueris technology allows to inject a complete ground forces virtual scenario, including friendly and enemy forces, into a vehicle on-board systems, and provide the crew with a realistic way of training while keeping costs to a minimum.

This ability to train and practice anytime and anywhere in the combat system is a capability never before enjoyed by any modern fighting force.

The benefits provided by embedded simulation:

- Provide trainees with an experience that is as close as possible to reality
 - Achieve both direct and indirect cost savings: no use of costly expendable items (e.g. missiles, torpedoes, chaff, flare), no degradation of the operational equipment, no specific maintenance costs
 - Simplicity: a simple method allows to transition the crew from a combat mode to a training mode and vice-versa
 - Mobility: through embedded simulation, any operational base, unit motor park, training area, or range can become a training center without the need to be tethered to specific infrastructures
 - In addition to training, embedded simulation can be used to provide mission rehearsal capability
- Multiple vehicle exercises may be accomplished by using digital communications over the tactical internet or a supplemental LAN.

This capability is not limited to a specific weapon system. Through the use of custom kits, Agueris can adapt this concept to any weapon system.

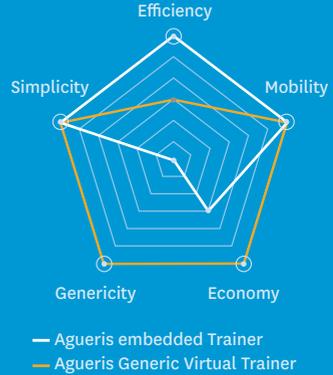
SUPPORT & SERVICES



Training focuses on people, not on systems. Beyond simulators, Agueris has designed a comprehensive offer, and helps end-users leverage the power of simulation using teams dedicated to support, maintenance, and assistance.

Agueris can provide local dedicated support and operational teams in all targeted countries with the following capabilities:

- Provide assistance in scheduling and coordination of the training
- Support trainees and instructors in operating simulators
- Support the instructors on the management of the simulators (students database management, exercises library management...)
- Design courseware, training scenarios, educational material
- Advise instructors and staff in both technical and operational domains using military and simulation in-house experts
- Support instructors by providing specific expertise on weapon systems training
- Prepare training sessions (exercises build-up, planning...).



Capability

Agueris simulators rest on a double concept: the alliance between virtual and embedded simulation. This combination of embedded and immersive training is the solution to solve all challenges of training:

- **EFFICIENCY:** train effectively, boost up the learning curve
- **SIMPLICITY:** train as you fight
- **MOBILITY:** train anywhere, even deployed in the field
- **ECONOMY:** manage and decrease training costs
- **GENERICITY:** use the same trainer to train to different systems

competitive edge

Agueris competitive advantages are the following:

- **TECHNOLOGICAL ADVANCE:** our team, supported by our two founders, was the first to design and operationally deploy a fully functional simulation solution embedded in a real weapon system
- **INVENTION AND CREATIVITY:** Agueris develops its own technological modules, both for its own needs and to offer innovative technological products to the market
- **OPERATIONAL PROXIMITY:** through the experience of its team and in-house military expertise, Agueris products are in line with armed forces needs and requirements, to ensure optimal training and mission readiness
- **EFFICIENCY:** Agueris simulation solutions are designed to maximize training efficiency while minimizing development and possession costs

A company driven by innovation, a team with 25+ years expertise in the field, backed by a world leader in weapon systems for armored vehicles, under the sign of Cockerill[®], the brand with 200 years of defence and industrial engineering history.

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