



GHT GROUP HI TECH

業務案内

取り扱い商材とサービスのご案内



Inspector Multi-mission USV



Flight Training Device – A320



“Pourquoi le Group Hi Tech?”

GHTの5つの分野

GHTでは、営業内容を次の5つの産業分野にフォーカスしております。

航空機関連

防衛

先進ROV技術

セキュリティー

新エネルギー

GHTのミッション

日欧先端技術企業のエージェント契約を受託し、訓練されたスタッフが契約企業になりかわって、日欧両市場の開拓を行います。特に日本においては親会社からの派遣駐在員の有無にかかわらず、営業活動の出来る駐在員事務所（連絡事務所）として機能します。また、現地の営業パートナーとのJ/Vを運営することも出来ます。

GHTの母体である日本法人 PMC株式会社は、広い分野にわたる欧州企業のジャパンレップとして35年の歴史を持っています。そうした中で、GHTは前述の5つの分野に特化した新部門で、2011年1月にスタートいたしました。

ミッシェル・テオヴァルはGHTの代表で、先端技術、とりわけ防衛関連技術分野において35年のキャリアを積み上げました。日本在住は13年になります。この経験により、日本と欧州における強力なネットワークを構築しています。

日本市場向けのアクション

欧州先端技術企業製品の営業がメインとなります。日本市場にオファーが欠如していたり、もしくは選択の余地が少ない製品を最優先でご紹介いたします。日欧先端技術企業のエージェント契約を受託し、訓練されたスタッフが契約企業になりかわって、日欧両市場の開拓を行います。特に日本においては親会社からの派遣駐在員の有無にかかわらず、営業活動の出来る駐在員事務所（連絡事務所）として機能します。また、営業戦略上、多くの利点がある現地パートナーとのJ/Vを立ち上げてこれを運営することも出来ます。

日本企業向け、海外市場でのアクション

欧州企業の日本向けアクションと同様に、日本企業の海外市場開拓も並行して行います。GHTでは、海外に未紹介の優れたメイドインジャパン技術がある事を認識しています。また、紹介事例はあっても、販売に特殊なルートや政府間のコンセンサスが必要で、これらがスムーズなビジネス展開を阻んでいるケースもあります。GHTでは、これらを解決するノウハウとネットワークを持っています。



ROVING BAT

ROVING BAT is a powerful hybrid ROV/Crawler for the inspection and cleaning of ship's hulls (FPSO units & vessels), immersed structures & hydraulic dams, even in severe conditions.



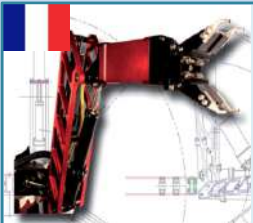
Alistar 3000

Autonomous Underwater Vehicle with an operating depth of 3000m, primarily dedicated to deep offshore operations such as pipe inspection, pipe T.D.P. monitoring & other survey & inspection tasks possible through the vehicle's hovering & manoeuvring capabilities.



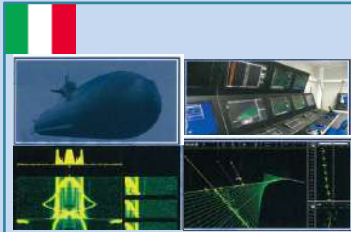
K-Ster

K-STER is a low cost and easy to launch mine killer for clearing minefields. It is designed to operate from any non dedicated platform, at short or long range, in shallow or deep water. Automatically guided towards the target, K-STER tiltable head allows a stable identification prior to accurate and powerful fire.



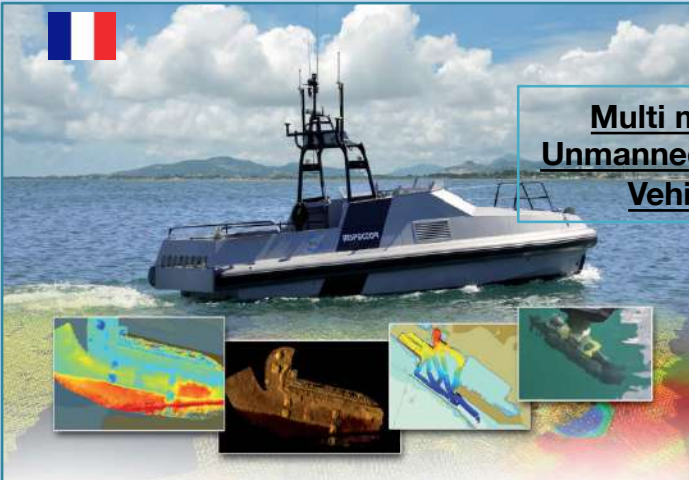
ARM 5E

The ONLY 5 function ELECTRIC Manipulator Arm existing worldwide can be integrated on any Remote Controlled Subsea Vehicle. Main missions for Offshore & Military applications: underwater intervention, underwater manipulation

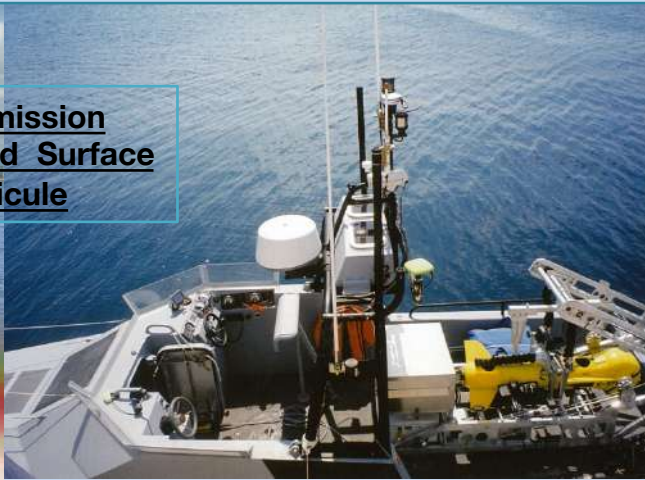


STT Submarine Team Trainer

Advanced Underwater Platforms Tactical Simulator. ECA Sindel's STT solution has been designed in order to combine the functions of Command and Diving trainer into a unique, flexible, modular system, able to fulfill Modern Navies' requirements for an integrated tactical and platform-handling submarine simulator



Multi mission Unmanned Surface Vehicle

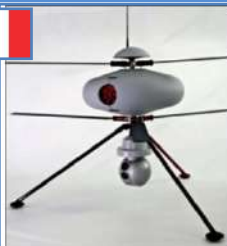


Inspector Multi-mission USV MIO / Subsea inspection / Fire-fighting

- Remote controlled unmanned platform surface vehicle.
- High level of availability and operational effectiveness
- Crew-safe operations
- Multi task and reconfiguration capabilities, task force integration
- Low draught for very shallow water (VSW) operations
- High sea state survivability for offshore constraints



Air products range



Engine	46 cm3	DC Brushless
Rotor Diameter	1,80 m	
Max T/O weight	19 kg	24 kg
Payload	5 kg	3 kg
Speed	90 Km/h	
Maximum ceiling	3000 m	
Endurance (up to)	120 mn	60 mn
Range	10 Km	

IT 180-5 TH	IT 180-3 ELE
46 cm3	DC Brushless
1,80 m	
19 kg	24 kg
5 kg	3 kg
90 Km/h	
3000 m	
120 mn	60 mn
10 Km	



Infotron IT-180 : Vertical Take Off & Landing Unmanned Aerial System



TST B737NG

TST (Touch Screen Trainer)

The **TST** is a flexible training tool allowing to run a full aircraft simulation on low cost and flexible Touch Screen Hardware. The TST can handle more than 50% of required simulator time for a certified type rating (up to 66%), by doing all the ground phase for all procedure training.

This flexible trainer can host hardware replicas for MCDU, FCU, ECP, ECAM Control Panel, Switching Panel, Throttles, Side Sticks and others upon request.

It is very easy to operate, with ordinary power supply. Simple Windows® knowledge is enough for all maintenance operations. If necessary, maintenance can be performed remotely through a web connection.



A 320/A330/A340 FMGS/T

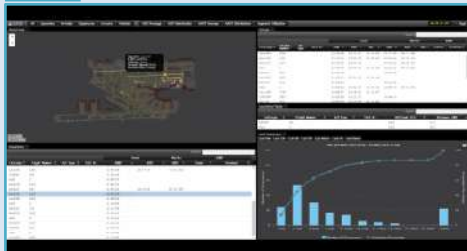


B 717/ B737/ B747/ B757/B767 /B777 FMS/T

FMS/T (Flight Management System Trainer)

Bridges the gap between full-flight simulator training and classroom instruction! ECA FAROS' wide range of FMSTs provide a one-stop shop for fleet training challenges. Flexible configurations (2D or 3D) allow training organizations and airlines to select the device best suited to each training need. They provide a low cost and pressure free environment, fulfilling a wide range of training requirements. These high-fidelity trainers are the right tools to understand system philosophy, mechanization, skills to train flight crews and ground technicians.

A320/A330/A340/A350 FMGS/T (IPAD)
B737NG FMS/T (IPAD)



SAGA (Surface Awareness and Guidance at Airport)

Basic concept of SAGA is a turnkey solution for airport surface management that provides real-time visibility over airport surface, terminal area movements (similar as A-SMGC) and all aircraft in 10NM and 50NM from the airport. Its flexibility allows it to be integrated with existing legacy sensors and/or with ALTYS ecosystem.

Thanks to ALTYS's years of experience in data mining, SAGA will provide advance statistics and understandable reports to users. SAGA is a sophisticated tool which gives support to Air traffic control, Airport Management and Airlines people.



FTD (Flight Training Device)



FTD A320



CAMELEON EOD

Light weight EOD UGV



Compact Lightweight Modular EOD Robot

- EOD/IEDD detection & neutralization
- Bomb disposal
- Render safe
- CBRNe detection
- Dangerous duty operations

CAMELEON CBRNe

CBRNe Detection & Analysis



Detection, Sampling & Investigation

- Protection for first response teams
- Multiple chemical, radiological & explosive sensors
- Measures explosion risk
- Dose rate measurement while keeping operators safe.

COBRA MK2 - UGV

Tactical First Response Multi-Mission Mini



for urban warfare & homeland security

- Improvised Explosive Device (IED) Neutralization
- Intelligence, Surveillance, Reconnaissance (ISR)
- Chemical / Radiological Detection,
- Increase Situational Awareness,
- Indoor & Outdoor Operations

Military Vehicle Simulator

- Teach dangerous situations & vehicle handling without risks (collision, rollover, ambush)
- Geospecific visual database with wide range of training zones (base camp, desert, city, test track)
- Multiple simulators connected together for multi-crew interaction
- A single instructor to manage several crews
- Track progress of every trainee through its dedicated account



REF 95002 Riot and personal protection shield
Light and strong shield from SAPL which can protect from a range of projectile from Molotov cocktail to TOKAREV automatic pistol

NON LETHAL



DBD95 Personal rubber break-out grenade (Non lethal)

When it's no longer possible to maintain order, the hand grenade allows the Force of Law to destabilise troublemakers and gain the few seconds required to decide whether to break-out or make arrests

Kinetic energy of each projectile 80J
Sound level 165dB



Colour decoding system for VS 340 N Black&White TV camera
Hard Radiation tolerant Colour TV camera



Through-wall panoramic TV camera for hot cells



VSE 506

High pressure sodium (HPS) light for applications in air and in water
Power 1000W
Bulb life time 24,000h



TV Camera for operations in vacuum and ultra high-vacuum environments



Breeders fuel removal system

Working arms equipped with working tools and bi unit nuclear cameras dedicated to the recovery of spent nuclear fuel from the reactor vessel.
Intervention site :
Dounreay – Scotland
Realization : ECA/AREVA NP



Network TV camera with zoom and swivelling head for nuclear applications in air or in water

BUILT IN IP SERVER
- NIGHT AND DAY
- 18x OPTICAL ZOOM



DTR 65 HRC

Compact Swivelling head colour TV camera for applications in air and water- H360°
- OD65mm -L150mm - Internal lights following movements of camera head
-50 000 hours life time.



CBRN LightWeight Decontamination and Protective Overall - CLD 500MODEL (Fully encapsulated suit)

CBRN lightweight ventilated decontamination overall. CBRN filtering overall with built-in blowing device directly fitted to the CLD 500. This system increases the wearing time as well as the protection level by a light overpressure inside the protective overall. Built-in socks. Could be used by citizens wanting to protect themselves from radioactive dust and cloud.



Complete S.W.A.T./CBRN equipment

- 1 CBRN/F overall
- 1 tactical jacket
- 1 breathing support system
- 2 CBRN filtering canisters
- 1 CBRN gas mask
- 2 pairs of CBRN/F GNG gloves
- 2 pairs of CBRN socks
- 1 transport bag

Japanese Products



LIGHT
Optical Works, Ltd.

Light Optical Works, Ltd.

Light Riflescope

High precision acknowledged by top shooters all over the world.

In hunting, contests, and other long-range shooting activities, the shooter has to make bullets repeatedly hit a target 1,000 yards away within accuracy of 15 cm. That demands a high-performance and rugged rifle scope.

Optical design and lens manufacturing technology that realize the high resolution that will sharply reflect a distant target. Structure that withstands the strong shock exerted at the moment of firing. Mechanism design that enables adjustment of focus, parallax, etc., for high accuracy.

Having built up such technology as unique expertise for over half a century, and furthermore by flexibly incorporating the latest technologies, Light Optical Works, Ltd. is able to manufacture products that others cannot imitate.



Grow Chemical fire proof agent

Combustion Test *This experiment was performed at the Ishikawa Prefecture Federation of Forestry Association



Right side : Regular lumber
Left side : GP Fire Proof treated lumber



The house on the right has caught fire. The house on the left shows some carbonization but the flames have not ignited.



The flames have spread all over the roof and the eaves for the house on the right. The house on the left has not caught fire.



GHTはPMC株式会社の1部門です。

PMCは、多数の欧州企業をクライアントに持ち、その業務内容はコンサルタント業にとどまらず、日本エージェント、子会社運営まで受託していますが、分野はファッションから医療器具、機械など幅広いのが特徴です。

GHTは5つの分野に限定しており、中でも防衛関連に強みを発揮します。

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