

Turnkey solutions powered by



SYSTEM FOR AERIAL MAPPING



WHETHER YOU SEARCH FOR AN ENTRANCE LEVEL SOLUTION FOR SMALLER PROJECTS OR A HIGH END BIG FORMAT SYSTEM FOR WIDE AREA MAPPING WITH 4 BANDS, WE PROVIDE THE RIGHT SOLUTION FOR YOUR PROJECTS.

YOU NEED ASSISTANCE IN THE INSTALLATION OR AN ADJUSTED SYSTEM FOR YOUR APPLICATION? OUR TEAM OF ENGINEERS IS HAPPY TO ADAPT THE SYSTEM FOR YOUR NEEDS.

YOU WANT TO START WITH AN ENTRY LEVEL SOLUTION AND UPGRADE THE SYSTEM AFTER THEN? WE ARE YOUR PARTNER TO GROW AND DEVELOP YOUR BUSINESS.

YOU NEED ASSISTANCE WITH THE FIRST PROJECTS, TRAINING, AND CONSULTING? WE PROVIDE BOTH. JUST NAME IT AND WE ASSIST.



SAM - AN OVERVIEW

SAM.XS SAM.S SAM_S 4B SAM.M SAM M 4B SAM.L SAM.L 4B

THE CAMERAS

PHASEONE IXM 100 AND IXM ACHROMATIC/NIR PHASEONE IX-RS 150 AND ACHROMATIC/NIR PHASEONE IXM-RS 280

THE DEVICES

AERONAV AEROSTAB-S AEROSTAB-M

SOFTWARE **AEROTOPOL**

OPTIONS GNSS-INS APPLANIX

SERVICES

CALIBRATION TRAINING **CUSTOMIZING** UPGRADE CONSULTING

SAM - AN OVERVIEW



SAM makes use of different PhaseOne cameras between 100 and 280 MP and combines them to a turnkey solution with GNSS-INS, Stabilizer, mission planning and flight management. The different sensors enable a good priced entrance level as well as high end productive combinations. We enable photogrammetric mapping as an all in one solution for the fairest prices with top quality and performances. The combination with an NIR sensitive camera widens the field of use especially for environmental monitoring.

	SAM-xS	SAM-S	SAM-S 4b	SAM-M	SAM-M 4b	SAM-L	SAM-L 4b
Camera 1 RGB	iXM 100	iXM 100	iXM 100	iXM-RS 150	iXM-RS 150	iXM-RS 280	iXM-RS 280
Camera 2 NIR			iXM 100 AC - NIR		iXM-RS 150 AC-NIR		iXM 100 AC - NIR
Resolution	100 Mpix	100 Mpix	100 + 100 Mpix	150 Mpix	150 + 150 Mpix	284 Mpix	284 + 100 Mpix
frame geometry	11.661 * 8.450 @ 3.76µm	11.661 * 8.450 @ 3.76µm	11.661 * 8.450 @ 3.76µm	14.204 * 10.652 @ 3.76µm	14.204 * 10.652 @ 3.76µm	20.150 * 14.118 @ 3.76µm	20.150 * 14.118 @ 3.76µm
standard lens	80 mm	80 mm	80 + 80 mm	70 mm	70 + 70 mm	90 mm	90 + 50 mm
Field of View	31° / 23°	31° / 23°	31° / 23°	33° / 25°	33° / 25°	46° / 33°	46° / 33° (46°/35°)
GNSS (accuracy)	yes (1 m XYZ)	yes (1 m XYZ)	yes (1 m XYZ)	yes (1 m XYZ)	yes (1 m XYZ)	yes (1 m XYZ)	yes (1 m XYZ)
INS (accuracy)	no	yes (0.2 ° RPY)					
Stabilizer	no	AeroStab-S	AeroStab-M	AeroStab-S	AeroStab-M	AeroStab-M	AeroStab-M
Mission Planning	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL
Mission Navigation	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL	AeroTopoL
Datastrorage	Notebook	iX Controller					
Accessories	Pilotscreen	Operator and Pilotscreen	Operator and Pilotscreen	Operator and Pilotscreen	Operator and Pilotscreen	Operator and Pilotscreen	Operator and Pilotscreen
Service		Training & Calibration					
Price	60700€	95800 €	150300 €	135800 €	230300 €	261300 €	307400 €

SAM.XS

Our SAM.XS is the entrance bundle for photogrammetric mapping at a limited budget without any compromises in guality and accuracy. It is designed for the use in small aircrafts with a small hole or an outdoor installation (cargo box). It works with a sub-meter GNSS device to provide Exif information to the images and is used for navigation with AeroTopoL that generates report files.

The image capture software iX-Capture is installed on a notebook and AeroTopoL is running there as mission planning and flight management software. The included pilot screen enables a precise mission navigation.

Camera: PhaseOne iXM 100 aerial camera, 100 MPix with an 80 mm RSM lens (other lenses optional)

Navigation: AeroNav GPS is a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy.

FMS: AeroTopoL Mission Planning and Flight Management Software

Computing: Notebook with iX Capture, AeroTopoL and 7» Pilot Screen

BUNDLE PRICE: 60.700 €









SAM.S

Our SAM.S is the perfect bundle for Photogrammetric mapping at a lower budget without any compromises in quality, accuracy and performance. SAM-S already uses a gyro stabilized mount and captures images with a first pre-orientation. Designed for small aircrafts with limited space, it works with a sub-meter GNSS device to provide Exif information to the images and INS data with 0.2 degree resolution. This is also used for navigation with AeroTopoL and to generate report files with XYZ, Omega, Phi and Kappa values. The image capture software iX-Capture is installed on the iX Controller with big data storage. AeroTopoL is running there as Mission Planning and Flight Management software. The included pilot screen enables a precise mission navigation.

Camera: PhaseOne iXM 100 aerial camera, 100 MPix with an 80 mm RSM lens (other lenses optional).

Stabilizer: AeroStab-S which includes a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy as well as INS.

FMS: AeroTopoL Mission Planning and Flight Management Software

Computing: iX-Controller with iX Capture, AeroTopoL and an Operator plus 7" Pilot Screen.

Consulting: Onsite Training and Camera lens calibration.

BUNDLE PRICE: 95.800 €





SAM.S 4B

Our SAM.S 4b is the perfect bundle for Photogrammetric mapping and environmental monitoring in one mission for a lower budget without any compromises in quality, accuracy and performance. Two cameras, one with RGB and one achromatic modified to capture images in NIR for chlorophyll analysis build this multispectral sensor system. SAM-S 4b already uses a gyro stabilized mount and captures images with a first pre-orientation. Designed for small aircrafts, it uses a sub-meter GNSS device to provide Exif information to the images and INS data with 0.2 degree resolution. This is also used for navigation with AeroTopoL and generates report files with XYZ, Omega, Phi and Kappa values. The image capture software iX-Capture is installed on the iX Controller with big data storage. AeroTopoL is running there as Mission Planning and Flight Management software. The included pilot screen enables a precise mission navigation. iX Capture enables the processing to CIR, RGBI or NDVI images.

Camera: PhaseOne iXM 100 aerial camera, 100 MPix with an 80 mm RSM lens (other lenses optional) PhaseOne iXM 100 Achromatic modified for NIR

Stabilizer: AeroStab-M which includes a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy as well as INS.

FMS: AeroTopoL Mission Planning and Flight Management Software.

Computing: iX-Controller with iX Capture, AeroTopoL and an Operator plus 7" Pilot Screen.

Consulting: Onsite Training and Camera lens calibration

BUNDLE PRICE: 150.300 €





SAM.M

Our SAM.M is the perfect bundle for Photogrammetric and environmental mapping of bigger areas in high quality, accuracy, and excellent performance. SAM-M works with a gyro stabilized mount and captures images with a first pre-orientation. Also designed for aircrafts with limited space, it makes us of a sub-meter GNSS device to provide Exif information to the images and INS data with 0.2 degree resolution. This is also used for navigation with AeroTopoL and to generate report files with XYZ, Omega, Phi and Kappa values.

The image capture software iX-Capture is installed on the iX Controller with big data storage. AeroTopoL is running there as Mission Planning and Flight Management software. The included pilot screen enables a precise mission navigation.

Camera: PhaseOne iXM RS 150 aerial camera, 150 MPix with a 70 mm RSM lens (other lenses optional).

Stabilizer: AeroStab-S which includes a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy as well as INS.

FMS: AeroTopoL Mission Planning and Flight management software.

Computing: iX-Controller with iX Capture, AeroTopoL and an Operator plus 7» Pilot Screen.

Consulting: Onsite Training and Camera lens calibration.

BUNDLE PRICE: 135.800 €







SAM.M 4B

Our SAM.M 4b is the perfect bundle for Photogrammetric mapping of bigger areas in high quality, accuracy and excellent performance. SAM-M4b uses a gyro stabilized mount and captures images with a first pre-orientation. 2 cameras, one with RGB and one achromatic modified to capture images in NIR for chlorophyll analysis build this multispectral sensor system. Designed for the use in aircrafts with limited space, it makes us of a sub-meter GNSS device to provide Exif information to the images and INS data with 0.2 degree resolution. This is also used for navigation with AeroTopoL and to generate report files with XYZ, Omega, Phi and Kappa values.

The image capture software iX-Capture is installed on the iX Controller with big data storage. AeroTopoL is running there as Mission Planning and Flight Management software. The included pilot screen enables a precise mission navigation. iX Capture enables the processing to CIR, RGBI or NDVI images.

Camera: PhaseOne iXM RS 150 aerial camera, 150 MPix with a 70 mm RSM lens (other lenses optional)

PhaseOne iXM RS 150 Achromatic for NIR, 150 MPix with a 70 mm RSM lens (other lenses optional).

Stabilizer: AeroStab-M which includes a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy as well as INS.

FMS: AeroTopoL Mission Planning and Flight management software.

Computing: iX-Controller with iX Capture, AeroTopoL and an Operator plus 7» Pilot Screen.

Consulting: Onsite Training and Camera lens calibration.

BUNDLE PRICE: 230.300 €







SAM.L

Our SAM.L is a high productive bundle for Photogrammetric mapping of wide areas in high quality, accuracy and outstanding performance. SAM-L makes use of a gyro stabilized mount and captures images with a first pre-orientation. The Dual-Sensorhead of PhaseOne iXM-280 delivers images with 284MPix which makes it a big format system. Designed for aircrafts with limited space, it makes us of a sub-meter GNSS device to provide Exif information to the images and INS data with 0.2 degree resolution. This is also used for navigation with AeroTopoL and to generate report files with XYZ, Omega, Phi and Kappa values. In combination with the optional Applanix Systems, fast data-processing of ultra large areas can be performed on an excellent price level.

The image capture software iX-Capture is installed on the iX Controller with big data storage. AeroTopoL is running there as Mission Planning and Flight Management software. The included pilot screen enables a precise mission navigation. iX Capture enables the processing of the stitched and distortion free RGBI images.

Camera: PhaseOne iXM 280 aerial camera, 284 MPix with two 90 mm RSM lenses.

Stabilizer: AeroStab-M which includes a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy as well as INS.

FMS: AeroTopoL Mission Planning and Flight management software.

Computing: iX-Controller with iX Capture, AeroTopoL and an Operator plus 7» Pilot Screen.

Consulting: Onsite Training and Camera lens calibration.

BUNDLE PRICE: 261.300 €





SAM.L 4B

Our SAM.L 4B is a high productive bundle for Photogrammetric Mapping and environmental monitoring of wide areas in high quality, accuracy and outstanding performance. SAM-L 4b uses a gyro stabilized mount and captures images with a first pre-orientation. The Dual-Sensorhead of PhaseOne iXM-280 delivers images with 284MPix. Designed for the use in aircrafts with limited space, it makes us of a sub-meter GNSS device to provide Exif information to the images and INS data with 0.2 degree resolution. This is also used for navigation with AeroTopoL and to generate report files with XYZ, Omega, Phi, Kappa values. In combination with the optional Applanix Systems, fast data-processing of ultra large areas can be performed on an excellent price/ performance ratio. A 100 MPix NIR camera captures in a lower resolution information of the environment The image capture software iX-Capture is installed on the iX Controller with big data storage. AeroTopoL is running there as Mission Planning and Flight Management software. A pilot screen enables a precise mission navigation. iX Capture enables the processing of the stitched and distortion free RGBI images, CIR, NIR, RGBI and NDVI data.

Camera: PhaseOne iXM 280 aerial camera, 284 MPix with two 90 mm RSM lenses PhaseOne iXM 100 Achromatic modified for NIR

Stabilizer: AeroStab-M which includes a carrier phase smoothed GNSS Receiver at 10 HZ refresh rate and sub-meter accuracy as well as INS

FMS: AeroTopoL Mission Planning and Flight management software

Computing: iX-Controller with iX Capture, AeroTopoL and an Operator plus 7» Pilot Screen.

Consulting: Onsite Training and Camera lens calibration

BUNDLE PRICE: 307.400 €









THE CAMERAS



Model	iXM100	iXM100 Achromatic	iXM-RS150F	iXM-280		
Resolution	100 Mpix		150MP	284 Mpix		
	11664 x 8750		14204 x 10652	20150 x 14118		
Dynamic range		83	dB			
Aspect ratio		1.33		1.43		
Pixel size		3.76	6 μm			
Effective sensor size(mm)	43.9	x 32.9	53.4x40mm	75.8 x 53.1		
Light sensitivity (ISO)	50 - 6400	200-25600	50-6	400		
Capture rate	3 fps 2fps					
Data interfaces	USB3, Ethernet 10G					
I/O interfaces	Trigger, Mid exposure, Ready, Serial					
HDMI	1920x1080 60p					
Data storage		XQD card				
Synchronization speed	50 microseconds in an array of cameras					
Raw file compression 14bit	IIQ large: 100MB IIQ large: 150MB					
	IIQ sma	II: 65MB	IIQ small: 100MB			
Available lenses	35, 80, 150 mm		32, 40, 50, 70, 90, 110, 150 mm	90 mm		
Power input	12 - 30 VDC					
Max. power consumption	16 W			48 W		
Weight (excluding lens)	63	0 g	1000g			
Weight (with lens)	1100 g (RS	SM 80mm)	1580 g (RS 70mm)	1500 g		
Dimensions body	90x90x68		90x90x91mm	210 x 90 x 215 (incl. Lens)		
Approvals	FCC Class A, CE, RoHS					
Temperature	-10°C to 40°C					
Humidity	15% - 80% (non-condensing)					

THE DEVICES -AERONAV GNSS

AeroNav GNSS is an entrance level device for mission navigation and camera control based on a fast GNSS receiver. This multi GNSS receiver enables precise navigation for accurate aerial imaging. A bi-directional RS232 communication with AeroTopoL FMS supports camera trigger and camera event management.

- Release of an aerial camera using electronic trigger switch (potential free)
- Determining the event signal of the camera on an open collector
- Event-based positioning with a 1/100-sec accuracy

AeroNav GNSS is a highly compact system including all the basic features needed for navigation guidance and measurement of X,Y,Z projection centers and can also support EXIF information for the Camera.



SPECIFICATIONS

Receiver Type: Signals Received: Channels: Sensitivity: SBAS Tracking: Undate Rate:	GNSS single-frequency with carrier phase smoothing GPS, GLONASS, BeiDou, GALILEO1 and QZSS1 162 GPS -142 dBm 3-channel, parallel tracking			
Accuracy:	Horizontal (RMS)	Vertical (RMS)		
SBAS (WAAS):	0.3 m 1.2 m	0.6 m 2.5 m		
Timing (1PPS) Accuracy:	20 ns	2.0 11		
Start-up time:	<60 s typical			
Sat. re-acquisition:	<1 s			
Event marker input:	active low, falling edge sync			
Interface:	RS232 @155.200 baud			
Communication:	NMEA 0183, RECO, AeroTopoL,			
Total weight:	0.2 kg			
Dimensions:	200 x 85 mm x 50 mm			
Power:	9-30 V, 150-350 mA			
Temperature:	-10 to 50°C			

THE DEVICES - AEROSTAB-S

AeroNav GNSS is an entrance level device for mission navigation and camera control based on a fast GNSS AeroStab S is a full compensating 3 axis stabilizer that uses a combined GNSS-INS. It keeps your camera nadir viewing and compensates drift at two modes including planned track. The GNSS is the same type as on the AeroNav products but combined with MEMS gyros and accelerometers with internally Kalman-filtered attitude calculation. AeroStab-S is very agile and can run in 3 modes, depending of the sensitivity of the aircraft. The bi-directional RS232 communication with AeroTopoL FMS supports camera trigger and camera event management as well as control of all stabilizer functions in AeroTopoL and writing report files with all orientation parameters.

- Release of an aerial camera using electronic trigger switch
- Determining the event signal of the camera on an open collector
- Event-based positioning with a 1/100-sec accuracy and output of aircraft and camera attitudes
- Roll and Pitch at an accuracy of 0.03° Roll and pitch and 0.2° for heading/yaw



SPECIFICATIONS	Correction limits	Roll/Pitch: +- 22° Heading: +- 20°	
	Correction speed (rapid-mode)	Roll/Pitch: 28° Heading: 22°/ 3 dynamic sc	/sec /sec enarios available
	Weight & Dimension	Total weight: 1 Width platform Height platforn Hole diameter: Preload: 100 N	3.5 kg : 465 x 330 mm n: 180 mm 122 mm I ~ 5 kg
	Power	22-28 V DC Typically: Min.:	Max. 3 A @ 24V 1.5 A @ 24V 0.9 @ 24V

THE DEVICES - AEROSTAB-M

AeroStab M is the bigger full compensating 3 axis stabilizer with bigger hole and bigger payload. The GNSS is the same type as on the AeroNav products but combined with MEMS gyros and accelerometers with internally Kalman-filtered attitude calculation. AeroStab-M is a fast compensating and can run in three modes, depending on the sensitivity of the aircraft. The bi-directional RS232 communication with AeroTopoL FMS supports camera trigger and camera event management as well as control of all stabilizer functions in AeroTopoL and writing report files with all orientation parameters.

- Release of an aerial camera using electronic trigger switch
- Determining the event signal of the camera on an open collector
- Event-based positioning with a 1/100-sec accuracy and output of aircraft and camera attitudes
- Roll and Pitch at an accuracy of 0.03° Roll and pitch and 0.2° for heading/yaw



SPECIFICATIONS	Correction limits	Roll/Pitch: +- 13° Heading: +- 30°	
	Correction speed (rapid-mode)	Roll/Pitch: 13°/sec Heading: 16°/sec 3 dynamic scenarios available	
	Weight & Dimension	Total weight: 26 kg Width platform: 488 x 488 mm Height platform: 259 mm Hole diameter: 244 mm Preload: 250 N ~ 12 kg	
	Power	22-28 V DC Typically: Min.:	Max. 5 A @ 24V 2 A @ 24V 1.4 @ 24V

THE DEVICES - AEROTOPOL

AeroTopoL is the only operational GIS-based Mission Planning and Flight Management System on the market. Beside full GIS functionality, it uses a Wizard to guide user-friendly through the different planning and navigation features.

AeroTopoL enables many import and export formats for raster and vector data, as well as many coordinate systems. Data from different geodetic datum can be re-projected on the fly.

AeroTopoL supports any frame based analogue or digital camera and calculates also the expected accuracy of the project. With AeroTopoL-DTM the terrain is taken into account in computing adjusted footprints. Analysis of overlaps during planning help to select the best places for GCPs. Different editing-tools help to optimize the mission.

For navigation virtual avionic instruments give the pilot precise guidance and the operator information of the captures and the camera and stabilizer status. The virtual instruments can be adjusted according sensitivity, outlook and zoom functions.

In real-time AeroTopoL computes the image coverage using terrain-height, flight-altitude, camera-parameters and rotation angles. Analysis of the overlaps provides feedback about the required coverage.

AeroTopoL delivers a detailed log of the completed mission as well as the files needed for photogrammetric processing. AeroTopoL supports full heading compensation using AeroStab stabilizer.







OPTIONS -GNNS-INS APPLANIX

In order to improve the direct referencing accuracy, we offer four types of Applanix GNSS-INS solutions that can be combined with our SAM Products. We offer these bundles with the right cables and interfaces for a complete ready to use package. Depending on the stabilizer, different combinations are possible. These GNSS-INS bundles include also the PosPac Post processing software and smart base solution. We also provide the GNSS Antenna with cable. The performance is shown in the table below.

Performance Spe	ecs				
		SPS	RTX	PP-RTK	Post-Processed
Pos AV 210	Position (m)	1.5 - 3.0	0.5 - 2.0	0.03 - 0.06	0.02 - 0.05
	Velocity (m/s)	0.05	0.05	0.02	0.015
	Roll & Pitch (deg)	0.04	0.03	0.03	0.025
	True Heading (deg)	0.30	0.28	0.18	0.08
	Position (m)	1.5 - 3.0	0.1 - 0.2	0.03 - 0.06	0.02 - 0.05
	Velocity (m/s)	0.05	0.05	0.010	0.010
POS AV 310	Roll & Pitch (deg)	0.03	0.02	0.015	0.015
	True Heading (deg)	0.10	0.08	0.035	0.035
Pos AV 510	Position (m)	1.5 - 3.0	0.1 - 0.2	0.03 - 0.06	0.02 - 0.05
	Velocity (m/s)	0.05	0.05	0.005	0.005
	Roll & Pitch (deg)	0.008	0.008	0.005	0.005
	True Heading (deg)	0.070	0.040	0.008	0.008
Pos AV 610	Position (m)	1.5 - 3.0	0.1 - 0.2	0.03 - 0.06	0.02 - 0.05
	Velocity (m/s)	0.030	0.030	0.005	0.005
	Roll & Pitch (deg)	0.005	0.005	0.0025	0.0025
	True Heading (deg)	0.030	0.020	0.005	0.005

Bundles:

PosAV SAM 210 PosAV SAM 310 PosAV SAM 510 PosAV SAM 610 usable for all SAM variants: usable for SAM S 4b / SAM M 4b / SAM L / SAM L4b usable for SAM S 4b / SAM M 4b / SAM L / SAM L4b usable for SAM S 4b / SAM M 4b / SAM L / SAM L4b 30.000 € 60.000 € 95.000 € 132.000 €





SERVICES

CALIBRATION

All SAM-bundles include geometric calibration. We perform a mission in two altitudes over a test site and calculate the calibration with Bingo. You receive an entire calibration certificate to be used in most processing software packages. In the case you combine also an external GNSS-INS, we can help you with the entire system calibration including lever angles and bore-side values for a perfect direct orientation.

TRAINING

All SAM bundles include a 4 days onsite training, you just pay for the travel and accommodation. Our team has specialist to assist in the installation, prepare the mission, show you the handling of cameras and devices and demonstrate you the image processing and the post-processing of the GNSS-INS data. Additional days are calculated with 650 €/day.

CUSTOMIZING

You need special adaptations? Some basic mounting plate or specific shock absorbers? We can prepare in our electronic and CNC lab the needs for a smooth and optimal installation. Just name it, we are happy to assist. You may also need for specific missions adjusted camera setups e.g. lenses, filters, 5 band systems - we have the experience to design the system for you. Maybe you already have some equipment and you want to combine it or enhance an existing system. We have experiences in multi sensor systems and are able also to integrate LiDAR, Thermal cameras and other sensors.

UPGRADE

You want to develop your business and plan to start with a limited budget? Our products are designed to grow with your business. There is always a path to upgrade your equipment - a sustainable way in modern business.

CONSULTING

You want to increase your portfolio but not familiar with some new applications. We have a wide field of expertise and many partners working in specific projects. We are happy to assist with our network to help you with your innovative projects.









WITH MORE THAN 30 YEARS OF EXPERIENCE GGS IS ABLE TO WORK WITH THE BEST KNOWHOW IN A ME-TICULOUS WAY TO CREATE AND SUPPORT YOUR PRO-JECTS. GGS HEADQUATER SPEYER





THANKS TO OUR EXPERIENCE, WE ARE ABLE TO CHOOSE AND INTEGRATE THE BEST PRODUCTS ON THE MARKET IN OUR SOLUTIONS. BESIDES THAT, WE ARE FOCUSED ON THE FAIRNESS OF OUR PRICES. THIS IS HOW WE BUILD THE MOST PERFORMING SYSTEMS IN OUR DOMAIN.

« ALL IN ONE IS OUR BUSINESS »



THROUGH THE YEARS WE SUCCESSFULLY PERFOR-MED MORE THAN 60 INSTALLATIONS WORLDWIDE AND WE ARE LOOKING FORWARD TO REALISE MANY OTHER CHALLENGING AND INNOVATIVE PROJECTS WITH YOU!

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THE GGS TEAM PUTS HIGH EMPHASIS ON OUR PARTNERS' SATISFACTION. IN FACT, IT IS VERY IMPOR-TANT FOR US TO LISTEN, UNDERSTAND AND ADAPT TO OUR CUSTOMERS IN ORDER TO BE SURE TO RESPOND TO EVERY SINGLE NEED IN A SUFFICIENT WAY. BEEING ISO 9001 CERTIFICATE FORCES US TO ENSURE THE HIGH QUALITY OF OUR PRODUCTS. BESIDES THAT, OUR SUPPORT TEAM OFFERS HELP AND CONSULTING YOU IN MANY WAYS.

GGS FRANCE SASU



