



TECHNOLOGICAL LEADER IN SPECTROSCOPY SINCE 1952

... YOUR ANALYSIS DESERVE OUR PERFORMANCES

BECAUSE OUR CUSTOMERS DEMAND THE BEST PERFORMANCES, WE OFFER THEM THE BEST SCIENTIFIC INSTRUMENTS

The French Navy has selected the performances and the reliability of SAFAS instruments for its analysis on during military and oceanographic missions of its vessels, as well as many hospitals, pharmaceutical groups, food or chemicals industry, petrochemistry, universities, schools, and a lot of fundamental research labs.

SAFAS: STRONG AND HIGHLY REPUTED REFERENCES IN ALL THE FIELDS

Since 1952, the Quality, the Performances and the Breakthrough Technologies of SAFAS scientific instruments have enabled them to be selected by the most prestigious labs all around the world, particularly when the most difficult working conditions or the highest sensitivity or speed were demanded.

The list hereafter is just a selection of labs in the fields where our sensitivity and reproducibility are so much important, and we want to thank all the scientists around the world who trusted us, and whose expectations and requests always brought us towards new technologies, building our strong reputation in the scientific field.

We obviously also advise you to [have a look at our list of partners](#), who are customers with whom we have been developing new applications, technologies, or instruments, and who obviously are also excellent references for our company.



MILITARY FIELD

The **French Navy** has selected the performances and reliability of SAFAS for demanding analysis on vessels during military and oceanographic missions.

The resistance of SAFAS instruments to extreme conditions, transportations, vibrations, is also an asset for long term quality of analysis for any lab in the world.

On the picture, you can see one of the vessels on which SAFAS instrumentation provides quality analysis in the most extreme conditions: the "Beautemps Beaupré" (and her sistership "Pourquoi pas?"), fitted with the latest technologies and achieving military, oceanographic and hydrographic

missions (S.H.O.M.), in collaboration with Ifremer.

[To get more information about the Beautemps Beaupré military, oceanographic and hydrographic vessel, click here.](#)

Courtesy of French Navy / Marine Nationale Française, SHOM.

SCIENTIFIC CENTER OF MONACO

SAFAS has also an history of half a century of collaboration with the Scientific Center of Monaco ([Centre Scientifique de Monaco](#)). This Autonomous Public Research Center of Monaco, which research labs are located inside the [prestigious Oceanographic Museum of Monaco](#), have selected the latest technologies in spectroscopy, featured by SAFAS latest generations of instruments.

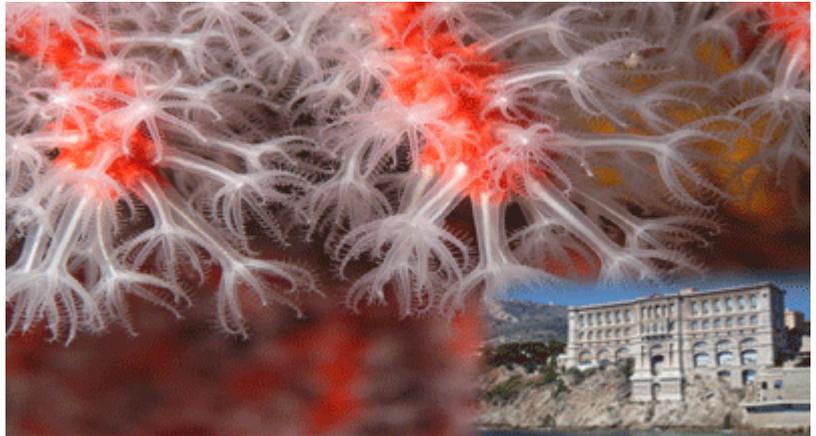
The "Centre Scientifique de Monaco" was born in 1960, on decision of H.S.M.H. the Prince Rainier III of Monaco, with the aim of improving the health and environment of mankind all around the world. It is the fruit of a tradition of 150 years of scientific research in Monaco, initiated by H.M.S.H. the Prince Albert 1st, famous oceanographer, reputed for his many oceanographic missions and discoveries.

[We suggest you to visit the beautiful website of the "Centre Scientifique de Monaco", which pictures gallery is absolutely](#)

[wonderful...](#)

[Click here to visit the website of the legendary Oceanographic Museum of Monaco.](#)

Courtesy of Centre Scientifique de Monaco.



PHARMACEUTICAL, COSMETIC AND VETERINARY USE

SAFAS has always been very active in the Pharmaceutical field, where we introduced in 1968 the world's 1st Dissolution Testing Analyzer.



Nowadays, **many Pharmaceutical Groups** have chosen the Quality of our instruments, their conformity to the most stringent rules (European Pharmacopoeia EP5.2, FDA 21CFR part 11).

Our auto-validation software providing a validation report in a few minutes, and their ability to keep their performances and validation for a very long time.

Among our many international references in the Pharmaceutical Field, some examples: **3M Health Care, 3 Chenes, Anios, Archemis, Aventis, Bayer, Bio Merieux, Biosphere, Chiesi, Diagnostica Stago, Glaxo Smithkline, Haupt Pharma, Henkel, Hoechst Clariant, Genzyme, Hospal Transplant, Institut Pasteur, Merial, l'Oreal, Pasteur Merieux**

Connaught, Pierre Fabre, Rhodia, Rhone Poulenc Santé, Sanofi Synthelabo, Servier, Sorin Maxim, Top Pharm, Vincience, Virbac, etc...

SAFAS: EXCELLENCE FOR MEDICAL AND HOSPITAL ANALYSIS

SAFAS introduced in 1952 the world's first oxymeters, thus developing very soon strong partnerships with many hospitals.

Since then, SAFAS has been developing instruments fulfilling very well the requirements of the most demanding professors for **hospital laboratories needs as well as medical analysis labs.**

Many establishments are fitted with SAFAS instruments, thus profiting not only by the Quality of our products, but also by our wide customer net, for which our engineers and developers go on developing software and applications perfectly corresponding to their needs, and with technologies they won't find anywhere else.

Thanks to our fast and accurate measurements, to the possibility to easily export measurements and files, to automatically validate our instruments on certified standards, our customers can achieve all their applications automatically, safely and with full safety of the recorded data (FDA 21CFR part11).



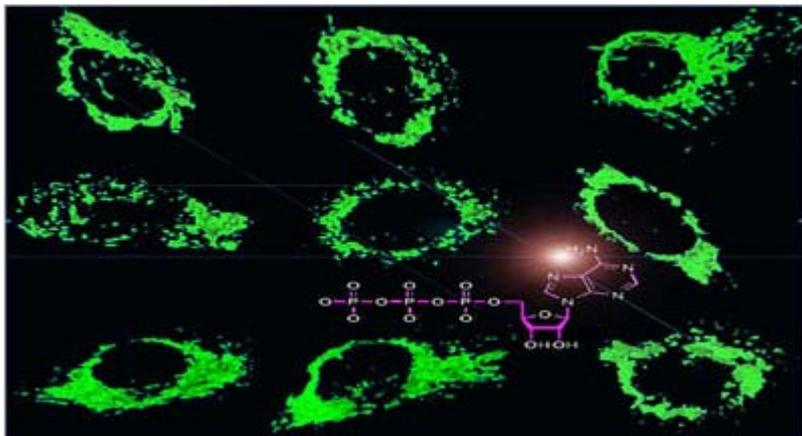
MEDICAL RESEARCH

In the field of medical and fundamental research, SAFAS has always been very active despite the too low budgets available in that field; for that reason, **we never hesitated to study and develop new solutions in collaboration with researchers, when major medical discoveries were at stake.** This is our way to participate to a positive evolution of mankind.

In a world where business and marketing are leading the developments of new technologies, SAFAS is proud to have always been introducing breakthrough technologies for fundamental research, establishing partnerships with research labs, regularly designing instruments unique in the world, or formerly thought impossible to design. Among the many labs equipped with SAFAS instruments, let's list many CNRS (France) and CNR (Italy) labs, INRA (agronomic research), INSERM (biology and human health), and also ITV (wine research), INA, as well as a lot of research labs in Pharmaceutical, Veterinary and Cosmetic groups. Instruments recently designed for Myopathy research and Cancer research have lead to major innovations in these fields.

MEDICAL RESEARCH AGAINST CANCER

MEDICAL RESEARCH : AGAINST MYOPATHIA, AND ON MITOCHONDRIA



The fundamental research lab' INSERM U688 is a leading research unit studying the mitochondria, which provide energy to our cells. Due to the neuromuscular pathologies called mitochondrial diseases, the U688 collaborates with the Hospitals of Bordeaux and with the association for mitochondrial diseases (AMMI).

One of the main functions of mitochondria is to transform the energy of food into an energy which can directly be used for biological functions, called ATP. The U688 has recently demonstrated how important are mitochondria in that mechanism. Mitochondria are also very important in apoptosis. According to the mitochondrial theory of aging, mutations accumulate in the mitochondrial DNA,

which involves malfunctions and increase of ROS production, thus increasing the cell degradation.

U 688 gathers 20 researchers and is managed by **Pr Thierry LETELLIER**. That unit also belongs to the Federative Research Institute IFR 4, which gathers several laboratories in the fields of cardiovascular, respiratory, muscular diseases, and thrombosis. **Dr Rodrigue ROSSIGNOL** achieves very innovative researchs on mitochondrial and cellular bioenergetics, and their application to cancer.

This leading research laboratory has selected the highest performance instruments to achieve its innovative experiments, in particular a SAFAS UVmc2 double beam spectrophotometer, a SAFAS Xenius DWL double wavelength spectrophotometer, a multivalent SAFAS Xenius spectrofluorometer for cuvettes and microplates, with polarizers for anisotropy and with external fiber optics for in situ measurements in an external oxygraph, and a fast microplate reader SAFAS MP96.

MEDICAL RESEARCH AGAINST BRAIN DISEASES

BIOTECHNOLOGIES



WATER ANALYSIS AND ENVIRONMENTAL LABS

In the field of **environmental analysis and water analysis**, the sensitivity of SAFAS instruments enable to reach exceptional sensitivity limits, in classical spectrophotometry as well as in spectrofluorescence. For example, the internationally reputed Research Center of the Italian National Research Council, Institute of Ecosystem Study based at Verbania Pallanza on the "Lago Maggiore" in Italy, is faced to analysis of high purity water, for which the highest levels of sensitivity and reproducibility over years are essential; **after evaluation of the highest sensitivity available on the market, they have selected SAFAS instruments to achieve their analysis.**

Their main research subjects are limnology and ecophysiology of aquatic systems, population ecology, evolutionistic biology, biodiversity & nature conservancy, macro & micro environmental pollutants, biological pest control and biomanipulation, soil ecosystem, control & recovery.

[Click here to visit the website of the reputed CNR-Centro di Idrobiologia di Verbania Pallanza.](#)

Courtesy of CNR-ISE di Verbania Pallanza, Lago Maggiore, Italy.

FOOD INDUSTRIES

In the field of food industries, many groups have chosen the Quality of SAFAS instruments to achieve their quality controls, especially the milk and cheese manufacturers, equipped with SAFAS microplate readers, proteins analyzers, spectrofluorometers and spectrophotometers.

WINE ANALYSIS

In the field of **Wine Analysis / "Oenology"**, many labs have chosen the sensitivity and the ruggedness of SAFAS instruments for their daily analysis. They are usually very satisfied to be able to use SAFAS instruments aged 10, 20 or even 30 years old, with continued service and spare parts availability.



For example in **Bordeaux, Beaujolais, Côtes-du-Rhône, Champagne, Côtes de Provence, Cognac, Languedoc-Roussillon, Corsica, Tunisia, Italy, etc...**

We are also suppliers of **ITV (Institut Technologique du Vin)** with which advanced studies have been achieved regarding grapefruit maturation.



NUCLEAR POWER PLANTS AND REPROCESSING PLANTS

In the nuclear field, SAFAS has always been developing new technologies to improve sensitivity of measurements and safety of users.

Many options are available for easy analysis of radioactive samples, in full safety.

Particularly in the years 70's, SAFAS has been actively working on the first fiber optics solutions, thus providing the first turnkey solutions for nuclear use.

Since then, **SAFAS has developed a strong**

know-how in high energy in-situ analysis using fiber optics.

In the years 90's, strong collaborations with Cogema / Areva and CEA (Commissariat à l'Energie Atomique) have led to the development of special instruments for nuclear reprocessing plants and nuclear power plants.

PETROCHEMISTRY

In oil and petrol industries and refineries, the reliability of SAFAS instruments is much appreciated.

We can provide turnkey solutions with strong maintenance contracts, and have successfully provided our instruments to many Petrochemical groups and research centers.

We are also proud to be suppliers of the **French Petroleum Institute (IFP)**.

EDUCATION, SCHOOLS, HIGH SCHOOLS AND UNIVERSITIES

The reliability, the ruggedness and the long life of our instruments have enabled SAFAS to gain a name over the years.

Because our legendary reliability means very low ownership costs, and also because they are so easy to use, **SAFAS instruments are also the best choice for education purposes**, where for example, **several thousands of units are currently being used with great satisfaction by French Schools.**

[CLICK HERE TO HAVE A LOOK AT SOME OF OUR PARTNERS](#)

[CLICK HERE TO HAVE A LOOK AT OUR HISTORY AND THE MAIN BREAKTHROUGHS INTRODUCED BY SAFAS](#)

SAFAS - MANUFACTURER OF SPECTROPHOTOMETERS (UV, VISIBLE, ATOMIC ABSORPTION, INFRA-RED, FLUORESCENCE),
SPECTROFLUOROMETERS, LUMINOMETERS, MULTIDETECTION MICROPLATE READERS, ELISA, ANALYZERS

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