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# AeroSpace - Russia 67

The only News-letter on the  
Russian AeroSpace Industry

Week 45



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# Aeronautical News

## 1/ “Russian Helicopters” will deliver 185 machines to the Russian Ministry of Civil Security (MChS) by 2020 (AviaPort.ru).

The General Director of « Russian Helicopters » Andrey Shbitov signed the decree called « Helicopter supplies for the Ministry of Civil Security » alongside with Mister Rafail Zakirov, Head of the Aviation of the MchS. Andrey Shbitov then explained journalists present for the signing that this programme implied the creation of a helicopter squad : 62 new light machines and 123 medium size machines : the “Ansats”, the Ka-226T, the Ka-32 and the modern modifications of the Mi-8. “Next year, in 2010, we will have finished the modifications of the Ka-226T and during the first quarter, we will be able to deliver the first “Ansats”, said Shbitov. This new helicopter division will be implemented in three steps : 1/ 24 light helicopters that will patrol the main Russian freeways (Moscow-Saint-Petersburg ; Moscow-Kazan ; Moscow-Sochi) ; 2/ increase the number of machines to 80 ; 3/ last purchase of 43 light machines and 38 medium ones. Mister Zakirov commented : “Some Russian helicopters aren’t certified in Russia yet so we have already asked Agusta for their 109 and 139 models which is logical since Agusta helicopters are going to be produced in Russia”. Presently, the MChS has : 6 Mi-26s, 40 Mi-8s, 6 Ka-32s and 4 Eurocopters. The MChS assesses its needs in medical helicopters at 350 machines.



**2/ “Russian Helicopters” could sign a license agreement for the production of helicopters in Russia with “Agusta Westland” before the end of the year (AviaPort.ru).**

This news was announced by Andrey Shbitov, Head of “Russian Helicopters”, who also said that a tender had already been organized to find designers and builders of the building complex. “The construction should last 9 months and the rigging 2 months. The first machines of this JV should fly in 2011”, said he. Now, all the work is focused on the service centers’ program and on spare parts warehouses. Shbitov said “the service centers will be created within the already existing production plants : MVZ, “Rostvertol”, KVZ. They won’t be exclusively service centers for the JV : they will be service centers for all Russian-made machines”. The first planned machines will be AW-139s.

The contract for the creation of the JV was signed in November 2008 between « Oboronprom » and « Agusta-Westland ». The production line will be in the Moscow Region town of Manki, where the Mil plant is located.



### 3/ A partner for a business class (RBC Daily).

“Aeroflot” would like to find a partner to develop the activities of its daughter company “Aeroflot-plus”, a company specialized in chartered corporate class flights on Tu-334s and Yak-42s which was created by “Aeroflot” in 1996. “Aeroflot” would be ready to sell 51% of the “Aeroflot-Plus”, which has interested “Jet Alliance” : the Austrian company is ready to pay 2M USD for these shares. Vitus Ekert, Head of the “Jet Alliance” board said : “We have been talking with “Aeroflot” about this project for many years and just recently, I got the unofficial information that our offer had been accepted by “Aeroflot”. Indeed, the “Aeroflot” board is ready to accept this offer but “Rosimushestvo” has asked that a tender be organized. Ekert also clarified that the idea was not to absorb “Aeroflot-Plus”, but to create a JV. According to Russian laws, the foreign company can own only 49% of the JV, so the 2 other percents will be owned by an independent and specially created Russian entity. “Aeroflot-Plus” plans to operate 10 Russian-registered aircraft on domestic routes. The Russian representative office of “Jet Alliance” has been created this year only and is run by the former General Director of “Aeroflot-Plus” Sergey Koltovich. “Aeroflot-Plus” owes 85M Roubles.



**АЭРОФЛОТ**

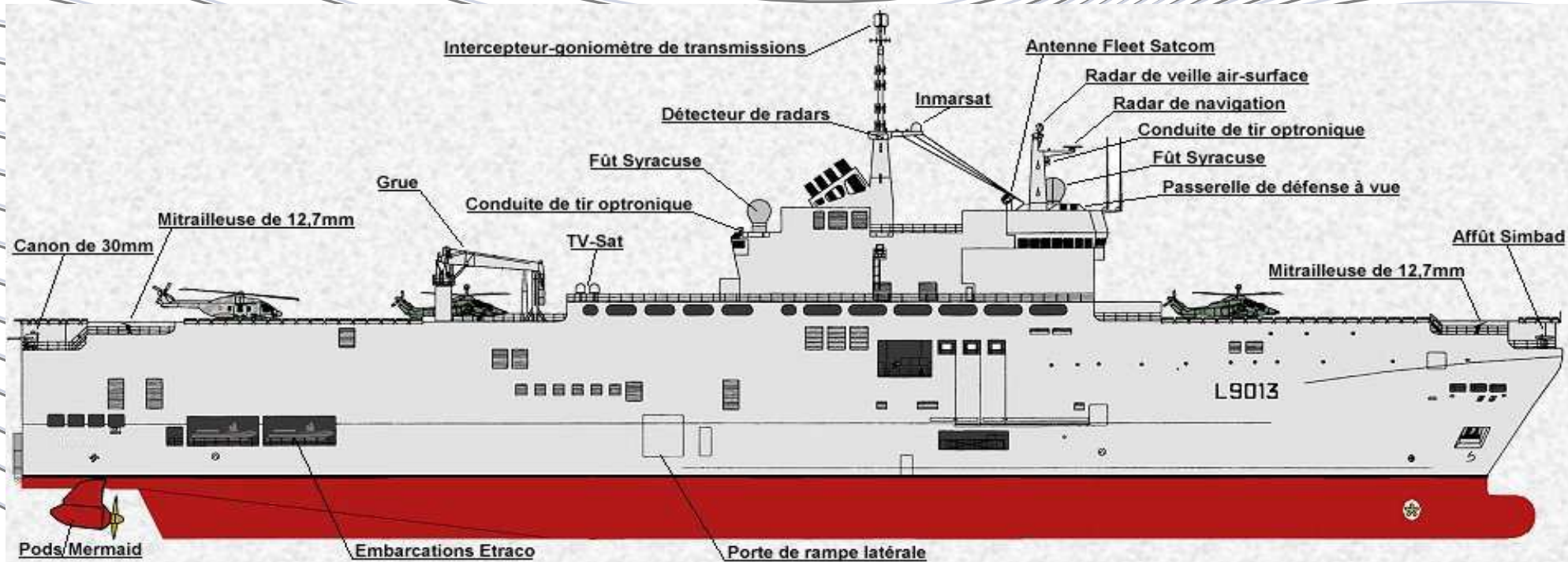
Высочайшее качество обслуживания  
дочерней компанией Аэрофлота

Plus



#### 4/ The question of the buying by Russia of the Mistral could find an answer during Mister Putin's visit to France in November (Vedomosti).

Until then, the ship will travel to Saint-Petersburg to be examined around November 15, said Alexander Glukhov, Deputy to the Saint-Petersburg port Captain. This information had already been released by the Russian Navy. During this inspection, a Ka-52 should land on the ship. This is the biggest purchase in the Russian Navy's history. The Press-Secretary of Mister Putin says "The visit to France is confirmed but it is not yet certain that the Mistral will be on the agenda". Experts doubt that such an expensive purchase is indispensable : this project which encompasses the buying of one ship and the license agreement for the building of two others, would cost around 1bn Euros, says Konstantin Makienko of the Center of Analysis and Technology, who also thinks that his money could be better used such as by putting on all Russian tanks infra-red vision equipment (within the framework of the general reform of the Russian army). "Rosoboronexport" says it hadn't been notified to start working on the paperwork for this deal but a source close to the Defense Ministry says that for such deals, the Governmental intermediary is not always implicated, as was the case with the Israel drones.





**Boris Grizlov**

## **5/ The DUMA is examining the Agreement on the creation of a unified air defense system with Belarus (Baltic Information Agency).**

The law-project is called "About the ratification of the agreement between the Russian Federation and the Republic of Belarus on joint defense of the union's airspace and on the creation of a unified regional system of defense of the Russian Federation and of Belarus". This information comes from the internet portal of "Unified Russia", the main political party and the party of the President. Boris Grizlov, Speaker of the House, reminded the agreement had been signed on February 3, 2009, in Moscow and defined the tasks and the principals of the army. "This unified defense system will be part of the general CIS defense system", said he. Funds will be taken from national and CIS defense budgets. He added that this document meant a lot not only for Russia and Belarus but also for a "new defense architecture in Europe".

President Medvedev asked the DUMA to examine the agreement on October 27. Sergey Razigraev, Deputy Commander-in-Chief of the Air Force, said that currently, within the CIS unified defense system, were created regional defense systems between Russia and Belarus, Russia and Armenia, Russia and Kazakhstan and also with other Central Asian countries. Razigraev said unification would increase the efficiency of the system by 15-20%.

## 6/ The Northern Gates (RBC Daily) : Pulkovo to be rebuilt by 2013.

Last Friday, Saint-Petersburg and “Pulkovo” signed a contract with the international consortium “Air Gates of the Northern Capital” (Alliance VTB, Fraport and Copelozus) which will receive the management of “Pulkovo” in May 2010 and for 30 years. The reconstruction of the airport will cost 1bn Euros. The future airport will have a capacity of 7,7M passengers. The first stone of the project will be laid in June during the Economic Forum. The new terminal will have a total surface of 176000 m<sup>2</sup> and will have a yearly capacity of 25M passengers (in 2025). The consortium will pay the municipality 11,5% of the benefits. “Kopeluzos Grup” is a Greek entity that owns 50% of “Gazpromexport”, a “Gazprom” daughter company. Mister Stefan Shulte, Head of “Fraport AG”, said it is not yet known who will head the consortium and according to a Smolni functionary, the finance project is still unknown but the VEB has already promised good credit conditions.

## 7/ 1bn USD for “Sheremetevo” (Vedomosti).

« Aeroflot » announced that in 10 days, flights to Sochi and Magadan would fly off from the new Third Terminal. As of February 6, the terminal is scheduled to be fully operational and service 110 international routes. The building of this third terminal started in 2005 and, at the time, Valerii Okulov who was General Director, said that it would cost \$430M. In 2008 however, the project was priced at \$645,8M, or 50% more and in 2009, the final pricing was \$785,8M. These sums are without the VAT, said Shamil Kurmashov, Deputy General Director of “Aeroflot” for investments and finance (the inflation during the first semester was 7,4%). The VEB and the VTB gave credit lines to the tune of \$923M (the first limit was \$500M) reimbursable until 2022. The manager of the project is OAO “Terminal” owned by “Aeroflot” (52,82%), the VEB (25%) and the VTB (22,18%). “Ingostrakh-Investment” expert Evgeny Shago says such project pays off over 10 years.



## 8/ Kazakhstan announces a moratorium for new airlines (RIA-Novosti).

This comes after the European Union has added every Kazakh airline to its black list (except the flag carrier “Air Astana”) and was announced by Premier-Minister Karim Massimov. The ban on Kazakh airlines concerned freight operators and business aviation companies. Mister Massimov added that when the moratorium would end, licenses would be given to airlines that follow international standards. The Head of the Transportation Ministry assured that the situation would last only until the second half of 2010. Immediately after the Kazakh airlines had been added to the EU’s black list, a new air code was adopted in Kazakhstan and new laws were voted on “the use of airspace and on the aviation activity” that follows ICAO principles for flight safety. As of October 30, 3 ICAO members are working within a commission in Kazakhstan. One of the main problems currently is the absence of qualified civil aviation inspectors.

## 9/ Incidents over the Baltic Sea (RBK-Ukraine). 7 fighters from Germany, Russia and Finland almost ignited a conflict because a German pilot wanted to take a picture of a « Russian colleague ».

The event took place on September 15. German Eurofighters were patrolling the Estonian airspace when they were given the order to intercept a Russian A-50 who was approaching the area dangerously. 2 Russian Su-27s then appeared out of nowhere to protect the radar bird. The course of the 5 aircraft prompted 2 Finnish F-18s to take off to escort the 5 aircraft back to international waters. The A-50, according to the Estonian Defense Press-Attaché, didn’t enter Estonian airspace.



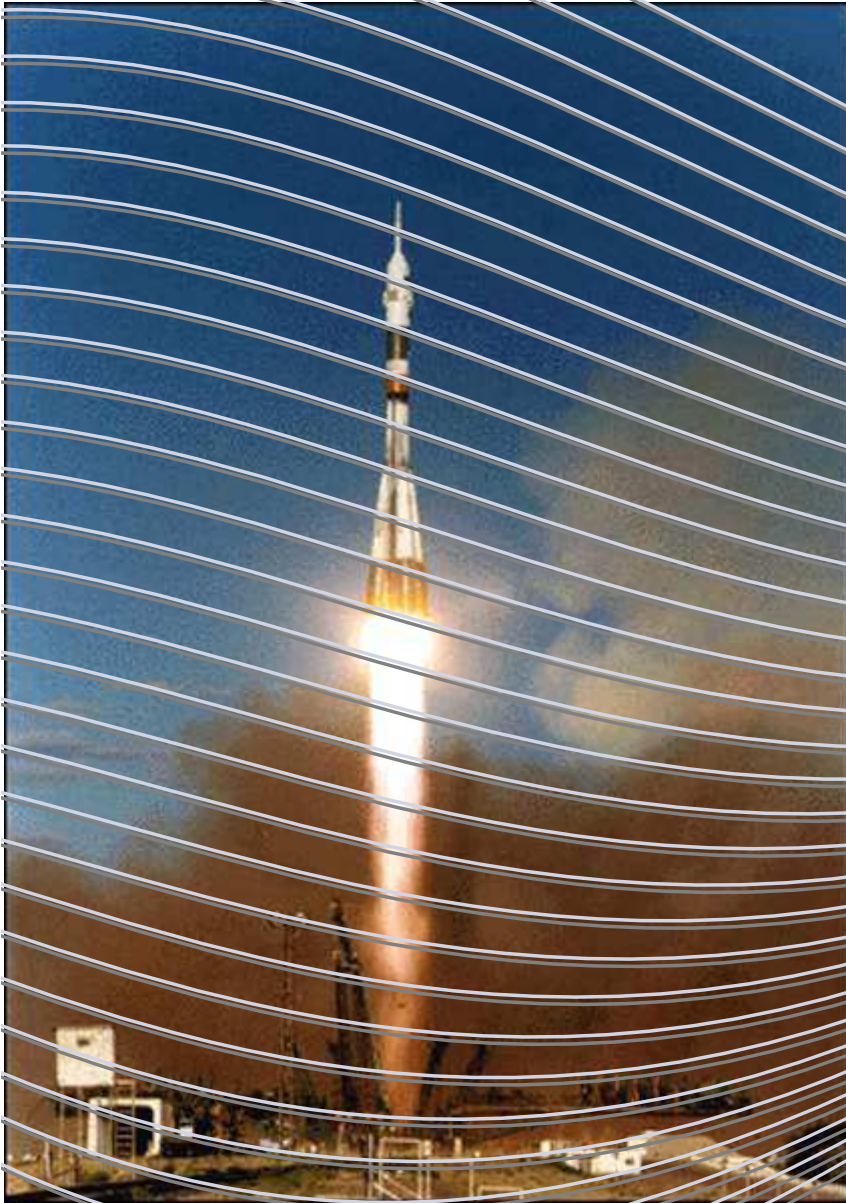
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G3aiR's mission will be to assist Field's development in Russia and the CIS.

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# Space News



## **1/ In Orel takes place a conference called « GLONASS – Regions, 2009 » (Roskosmos).**

The goal of this meeting was for GLONASS specialists to exchange opinions and share their experiences. Representatives of 54 Russian regions were present as well as of 4 CIS countries. Only one such event had been organized before this one, the International Forum on Satellite Navigation. Vladimir Klimov, Director of the association “GLONASS/GNSS-Forum” insisted that it was essential that the government as well as private business entities make a big effort in order to implement satellite technologies on a regional level. “The possibility to use with one navigation unit two satellite networks (GPS and GLONASS) appeals to many users in Russia and out of Russia because it allows a better coverage”, said he. Evgeni Makridenko from Roskosmos elaborated on the political side of satellite navigation : he said that GLONASS was strategically important for the country’s infrastructures and was essential for defense purposes but also for the social-economical development of the regions.



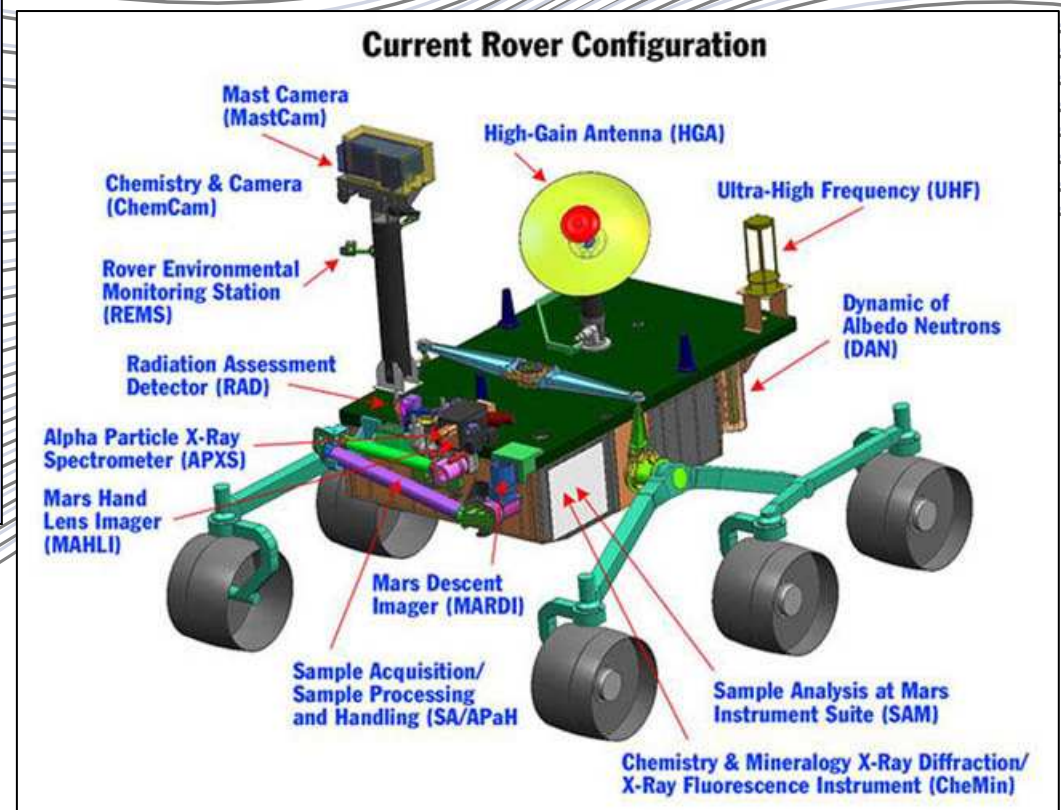
## ПРЕИМУЩЕСТВА

- Звук цифрового качества: голос на скорости 4,8 кбит/сек, передача данных по линии на скорости 9,6 кбит/сек, передача данных посредством GmPRS, CMC/SBD
- Передача/Получение факсимильных и электронных сообщений при полете
- Использование персональных устройств с функцией Bluetooth
- Передача коротких сообщений в любом месте
- Связь по защищенным сетям
- Трекинг ЛА и подключение к портативному компьютеру с GPS через интерфейс USB
- История полета ЛА по маршруту
- Активная дискретная функция
- Удаленный запуск специального оборудования (если таковое имеется)
- Соответствие стандарту DO-160
- Уменьшение шума кабины
- Сохранение личных телефонных номеров и каталогов

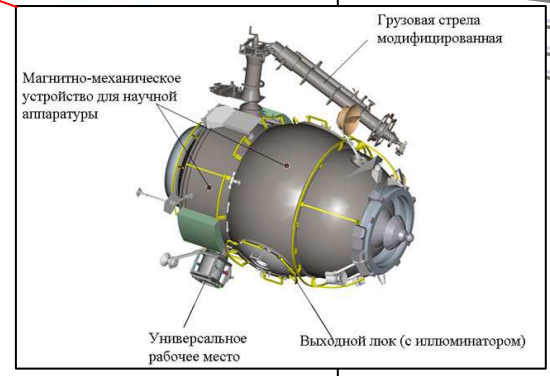
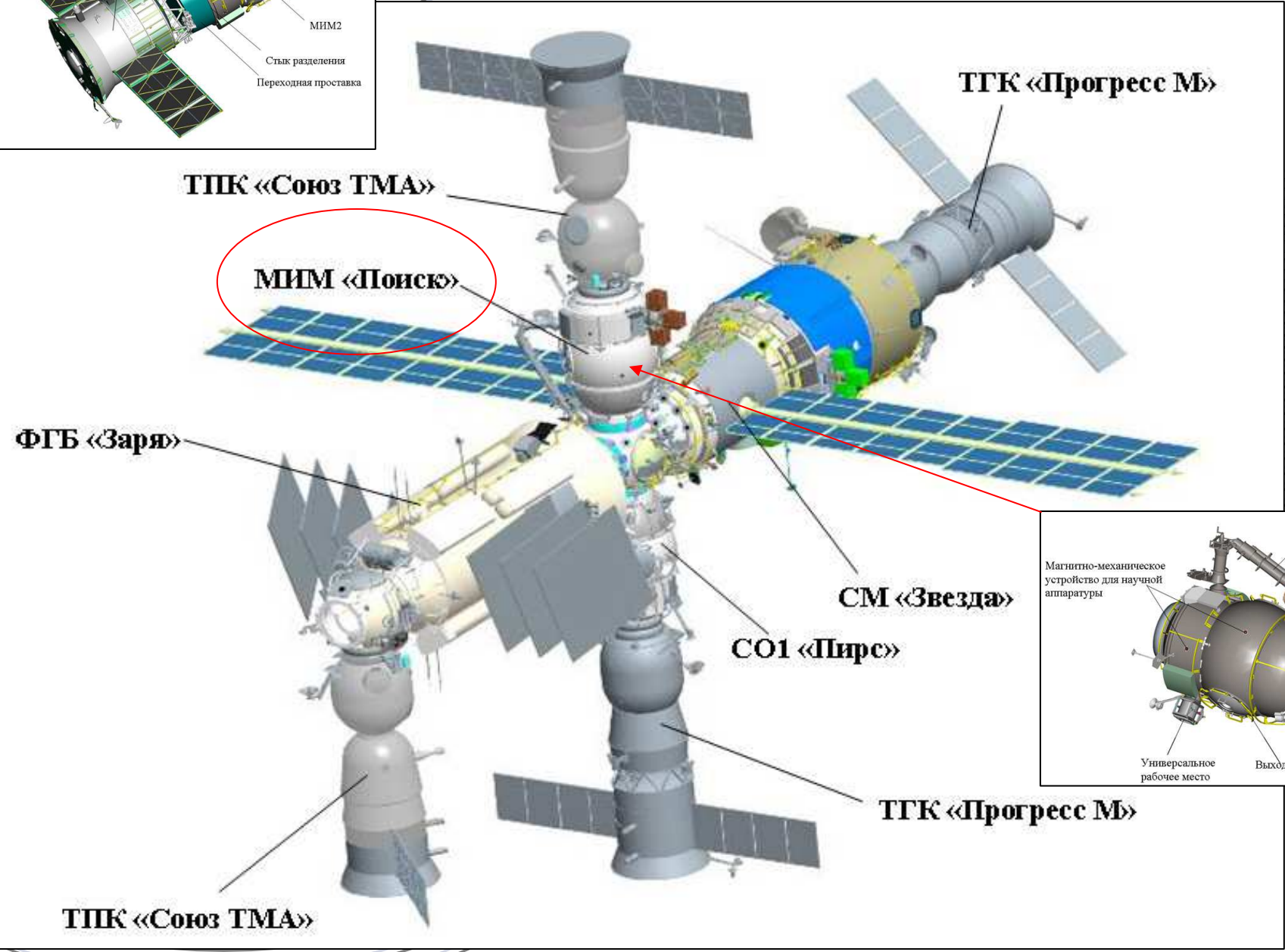


## 2/ Russian equipment to seek life on Mars (Infox).

The next mission to Mars will be the MSL (Mars Science Laboratory). Its task will be to seek traces of life and it will do so using the Russian DAN unit which will soon be sent for installing and for testing on the MSL in the USA. This unit was created by the Space Research Institute and the VNI automation of Rosatom. The calibration of the unit was made at the United Institute of Atomic Research (OIYaN). The module will be sent to Mars in 2012. In 2010, the MSL, which is a real laboratory on wheels the size of a SUV, will be equipped with two little boxes : a generator and a neutron detector, the DAN, which will indicate the MSL where to stop during its travels on the Martian surface and where to dig and search for water. DAN stands for : “Dinamicheskoe albedo neutronov” or “Dynamic Neutron Albedo” : the DAN will irradiate the surface with a neutron flow of 14M electron-Volts and analyze the specter of the irradiation of the ground particles.







**For any inquiries, please contact us :  
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