

ANNEE CROISEE

FRANCE

RUSSIE

2010

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ФРАНЦИЯ
РОССИЯ

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AeroSpace - Russia

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The only News-letter on the
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В Москву с деловым визитом приезжает делегация канадской компании "Нэптэк"

www.neptec.com

ООО «Элайд Эвиэшн Консалтинг» рад сообщить, что наш партнер - канадская компания «Нэптэк», приезжает в Москву с деловым визитом. Конференция, организованная посольством Канады, пройдет 1-3 марта. Визит «Нэптэк» будет насыщенным, в рамках конференции запланировано огромное количество семинаров, презентаций и дискуссий между российскими и канадскими компаниями; состоится круглый стол Канадской Деловой Ассоциации в России и Евразии CERVA. Важным участником конференции будет генеральный директор Российской корпорации нанотехнологий (РОСНАНО) А. Чубайс. «Нэптэк» посетит Международный научно-технический центр (МНТЦ), где состоятся встречи с деловыми партнерами МНТЦ а также представителями РОСНАНО.

Немного о деятельности компании: «Нэптэк» специализируется в передовых космических, оборонных и промышленных системах и прикладных программах, поддерживает свою репутацию по качеству и надежности в разработке, производстве, монтаже и технической поддержке своих сенсорных систем для космических челноков, Международной космической станции и для других основных космических программ. «Нэптэк» является основным подрядчиком НАСА и продолжает прокладывать дорогу в инновационном применении систем и прикладных программ технического зрения для решения космических задач. Система картографирования обстановки при плохой видимости может применяться на наземных и воздушных транспортных средствах, управляемых вручную и дистанционно. Система работает посредством использования лазерной системы, которая проникает сквозь погодные условия, такие как туманность, затемнение или яркий свет. Компания «Нептэк» продлевает свой визит в Москву с целью встречи с российскими компаниями, которые пройдут с 24 февраля по 12 марта.

ООО «Элайд Эвиэшн Консалтинг» - официальный дистрибьютор наземного оборудования «Tronair», представитель в России и СНГ спутникового оборудования « SatComSystem Co», звукоизоляционных систем «Allied International Corporation», переоборудование ВС от «Field Aviation». ООО «ЭЭК» также занимается консалтингом по строительству вертодромов и закупке вертолетов.

ООО «ЭЭК» организует деловые встречи «Нэптек» с российскими компаниями.

AERONAUTICAL NEWS

1/ The Aist Drone has still a long way to go (Independant Military Review).

The enhancement of the Russian Army with modern drones is not for today and maybe not even for tomorrow. The Drone Aist, which has a payload of 100kg, two engines, which can fly at 150 knots for 12 hours and at altitudes up to 18000 feet (wingspan : 8m ; length : 4.7m) blew up at take off last month. The test flight was held in Rybinsk, in the Yaroslavl Region, some 200km to the North of Moscow. The drone lifted off, then seemed to yaw, touched the ground with the tip of a wing and blew up after fuel was seen bursting out of. The Aist is an analog to the Israeli Searcher MkII (produced by IAI). Russia bought a few of these drones last year : Vladimir Popovkin, Deputy Minister of Defense, even said : “We’re going to do like the Chinese : to take pictures and to copy”. Unfortunately, it would seem that even copying isn’t working out, taking into consideration the fact that the first Aists were demonstrated at MAKS-2007. 3 drones have been put together as of today and their unit price is around \$3M. The crash last month could be a good chance for its competitor : the Dozor-600.

2/ “Sibir” pays its debts (Kommersant).

The airline doesn't owe “SberBank” money anymore thus Natalya Fileva, owner of 50,0098% of the airline could retrieve her frozen shares and give them to the company “Group S7” which she owns together with her husband. In turn, these shares should be given to Alpha-Bank which loaned the money to pay off the debts to SberBank. Now, “S7” owns 64,4% of “Sibir”. Hence Natalya Fileva is no longer a share-holder of “Sibir”. It is unknown what is now the share of Misses Fileva in S7 however but it could be that her share reaches 99,99%. The pay-off was made possible thanks to a 5,4bn Ruble credit line given by Alpha-Bank.



UPCOMING ATO EVENTS IN MOSCOW



AIRCRAFT FINANCE AND LEASE RUSSIA & CIS (<http://www.events.ato.ru/eng/events/crisis/>)

February 16, 2010
Moscow, Renaissance Hotel
2nd international conference

Global financial crisis has essentially changed the Russian air transport market landscape, forcing airlines, finance organizations, aircraft manufacturers and lessors to revise their strategies and near-term plans. Sharp decrease in air travel demand has caused great damage to the financial stability of airlines, while expensive loans' has put several market players on the brink of extinction. The government, supporting the stability of Russian transport system, is forced to increase the market regulation.

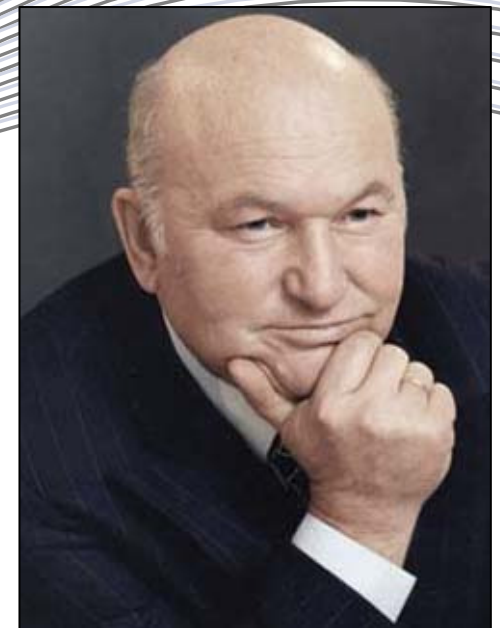
Changes in Aircraft Finance and Lease Russia & CIS Conference allows the airline CEOs and directors to receive up-to-date information on the current changes in the Russian and international market. Air transport community will have direct access to forecasts and estimates provided by the industry experts contributing to and influencing the aircraft market. Informal networking opportunities add value to this unique event, meeting today's demands.

3/ Mayor Luzhkov helps “Atlant-Souz” (Gazeta.ru).

“Atlant-Souz” owes over 5bn Rubles but lately, a chance for survival has appeared : the City of Moscow, its main share holder (51% ; the other 49% is owned by Viktor Grigorev and are assessed at \$18,8M), would be ready to increase its share to 100% and buy 45 new airplanes for \$1,2bn. The head of the Department of Transport and Communication of Moscow said in a communiqué. Most of the carrier's debts are inherited from the “Air Alliance” tragedy of last year, when it had accepted to carry left-behind passengers. This is a sign that Moscow has clearly decided to develop the activity of air transporter. The possibilities of creating, with “Rostechologies” a major Russian airline have been under study but, lately, have died out and Igor Levitin's initiative to give over the “Rostechologies” assets to “Aeroflot” would put a final stop to the project. The commitment to the airline was more clearly demonstrated by the allocation of subsidies by the City of Moscow to the airline worth 1,8bn Rubles and the airline should be able to reimburse its debts by the end of January. An MOU was signed between the City of Moscow and the Transportation Ministry on the saving of airlines : this would explain the involvement of the city and the latter allocated 3,7bn Rubles to help the airline. In any case the City of Moscow should buy up to 45 aircrafts (30 An-148s and 15 Tu-204SMs).

4/ The Moscow Government will invest 250M Roubles in the reconstruction of the Ivanovo Airport... (Interfax).

...says the airport's press-secretary. She added the funds have already been transferred to the managing company, which is a JV between the City of Moscow and the City of Ivanovo. This money will be used to buy new equipment (diesel GPUs), to install landing beacons, to rebuild communication equipment and also for staff training. According to the airport's press-secretary, in 2009 the airport saw 2810 passengers and 1032 tons of freight (80 regular flights ; 117 chartered and 23 freight). The airport was included in the Moscow City's airport reconstruction plans in 2006 : then, the reconstruction had been assessed 12bn Rubles. The airport was left unused for 13 years and the first task was to certify it (for aircraft under 200 tons). In 2008, due to the plans of Moscow to take part in a future huge new airline, the infrastructure financing was frozen ; the project was resumed in 2009.



5/ A fighter with artificial intelligence (Gazeta).

The Russian 5th GEN fighter will cost less than its American counterpart and will also be preponderant. “It will be artificially intelligent”, said an Air Force executive. This week took place in Vladimir a meeting of CIS Defense Ministers which was chaired by Alexander Zelin : on the agenda was the T-50. “Deliveries to the Russian AF will start in 2015”, said Zelin. “We are going to stop using the terms “fighter aviation”, “front-line aviation” and start using only “tactical aviation” and “operational aviation”. Currently, the Russian AF is divided into 7 types of aviations. But to talk about the possibilities of this aircraft is early : first it needs to be tested and approved by government certification. But to do this requires a critical modernization of the flight testing centers the Ministry of Defense has. Experts think that it is very unlikely that the airplane will be ready for 2015. Furthermore, the Russian aeronautical industry is behind the American one : the path won't be easy to successfully deliver. The Su-47 Berkut has been a flying lab for the T-50 : on this aircraft, which flew once more than 10 years ago, have been tested the stealth technology and new composites. The bomb bay was also experimented on the Berkut. Other elements were tested on other aircraft : everything was organized in such fashion as to create a mosaic of pieces to be later integrated into one airplane. The control systems were experimented on the Su-30 and the engine on the Su-30MKI. The exhaust tubes are however completely new: the exhaust hot gazes are greatly reduced which makes it more difficult for heat seeking missiles to find their target. Furthermore, the T-50 is the first Russian military plane to have been produced without any paper sketches: everything has been computerized. The T-50 has been conceived to be modifiable: initially, it was also meant to be exported so one can easily put French avionics or Israeli radars. Anyway, the aircraft that flew last month is only a very simplified draft of the final thing: the aircraft still needs a 5th GEN engine and “brain”. But in the future, around 2020, there will be only 3 such aircrafts: the American F-35, the Russian T-50 and maybe some sort of Chinese copy, so the Russians should get about 30% of the market. Furthermore, the aircraft will be produced jointly with India, which will guarantee some markets. Now that two countries seem to have a 5th GEN airplane, one of the new military-industrial tasks will be to invent new anti-aircraft defense systems.

Watch a video of the T-50's maiden flight by copy/pasting this address into your browser :
http://www.g3rep.com/video_gallery

6/ Airborne communications (Vedomosti).

The Governmental Commission for Radio Frequencies could authorize as of next week the use of cell phones in airplanes. This service would be available for the first time on “Aeroflot”. The GSM micro networks would be used between 1710-1785 MHz and 1805-0880 MHz frequencies. The airborne com available on Air France, Singapore Airlines and other airlines is provided by Telenor Mobile Aviation and OnAir Switzerland Sarl ; the Russian operator offering roaming on these networks is “Vimpelkom”. The minute of communication can cost up to 130 Rubles / minute (3.5 Euros). “Boeing”, some time back, had even tried to offer a similar service for Russian users flying on its jets together with “Rusat” but it appeared the project was too difficult to implement. But the frequency issue is not the only one to address : the air code will need amendment and new customs regulations will have to be defined.

ООО «Элайд Эвиэшн Консалтинг»
Официальный дистрибьютор



7/ « Irkut » opens the 3rd gate to the MS-21 program (AviaPort.ru).

This means that the business plan and the economical viability of the program have been approved, as well as the sketches and the technical decisions that have been proposed until now. This 3rd step has been called by Alexey Fedorov in a document he signed in 2008 and that defines the management of aviation projects “Ready to propose” : now “Irkut” can choose its suppliers and start the certification process and other production details. Last December, “Irkut” announced that “Avionika” and “Rockwell Collins” would be in charge of the avionics, “Aviapribor-Holding”, “Goodrich AS” and “RC” the control systems and PW the engines. MS stands for “Magistralni Samolet” (which means “long-haul airplane”) ; the 21 is for the 21st Century. The production line in « Irkut” will be ready in 2012, the first unit will fly in 2014 and certification should be obtained in 2016.

8/ « Rostechologies » announces a tender for the purchase of 50 long-haul airliners (AviaPort.ru).

« We postponed the tender (50 + 15) ; we didn't cancel it », said Igor Zavialov, Deputy General Director of the corporation. Igor Levitin said that once the result of the tender is announced, the corporation would not only deliver the aircraft, it would also organize the after sales services. Vitaly Saveliev said that “Aeroflot” was interested in broadening its fleet with the support of “Rostechologies”. Initially, the tender was organized with “Rosavia” in mind but now that the project has died out, the aircraft will have to go elsewhere.

Excerpts of an « Irkut » press-release

MC-21 PROGRAM HAS SUCCESSFULLY PASSED THE THIRD CONTROL STAGE (GATE)

- analysis of the business plan and economic efficiency of the program
- market and marketing policy assessment;
- consideration and approval of the outline sketch, assessment of the technical and technological decisions
- analysis of decisions on life cycle support, information technology and the integrated logistical support.

The commission also has confirmed the budget and the plan-schedule of a following stage of works on MC-21 program.

The president of Irkut Oleg Demchenko said: "Passage of the third control stage has proved ideas and decisions of the Irkut experts worthy. The program is carried out according to schedule».



X-RAY

Изделие «X-Ray» было разработано для установки на беспилотные и легкие летательные аппараты и является мобильной системой спутниковой связи типа AERO для работы на одиночном канале в сетях спутниковой связи Thuraya или Iridium для осуществления функции слежения или дистанционной разведки.

Масса Изделия зависит от конфигурации, но не превышает 150 гр.



Для более подробной информации, свяжитесь с нами.

9/ France gives a green light to the Mistral (Kommersant).

“The helicopter carrier can now be sold to Russia”-the Head of the Russian Navy, Vice Admiral Oleg Burtsev, said though a contract signing date had not yet been established : the real final public announcement will be made during President Medvedev’s visit to Paris in March. The contract is estimated at 1,5bn Euros (500M Euros for one unit + 3 produced under license in Russia if the license is attributed, which also has to be accepted by President Sarkozy). Although a tender should have been organized for this historic purchase, the Ministry of Defense limited its specter of choices to France (DCNS), Holland (Schelde) and Spain (Navantia). How that the French President has given a green light to the sale, Russia is focusing on the French option. Experts have often said that the Russian Navy didn’t really need this ship : the real explanation could be that money is easier to find for the import of a ship than to finance the Russian industry to do something. Also, this deal will definitely give the Franco-Russian relationship a new impulse and, through it, to NATO.

10/ « Sibur – Russian tires » makes tires for the PAK-FA (Colesa.ru).

The tires (1050x365-508 mod. 1A) are developed by the Yaroslavl Tire Plant, which is part of the “Sibur” Holding. Along with the aircraft, the tires have started their government testing program on January 29, 2010.

11/ Our 5th GEN Fighter has radically new engines (Vesti.ru).

The Russian 5th GEN Fighter should be able to compete with its foreign counterpart. Sergey Chemezov, Head of “Rostechologies”, has commented on the new-born jet during an interview for “Russia 24” : “It is much more stealthy, both for radio waves and for IR. It has a brand new engine that allows it to fly longer at hyper sound speeds and gives the aircraft extreme maneuverability thanks to the variable thrust vector. It has a modern radar with active phased array. Modern composite “made in Russia” materials have been used. The titan alloys are also made in Russia.” The titan alloys are made by VSMPO-Avisma, which is a part of “Rostechologies” (VSMPO-Avisma is a global provider of such alloys and massively sells to “Boeing” and “Airbus”). Mister Chemezov commented that this new Russian jet was a good response to the F-22.

Новые водила для Embraer Lineage

Компании Tronair и Embraer установили взаимовыгодное сотрудничество в рамках проекта по разработке и выпуску буксировочных водил в складном и стандартном исполнении для самолетов семейства Lineage. Водило буксировочное в стандартном исполнении предусматривает встроенные амортизаторы, алюминиевый корпус, гидравлический подъемник, быстросъемный модуль крепления водила к самолету с дополнительным замком, а также дополнительные амортизаторы для защиты передних колес от чрезмерных нагрузок при повороте и резком тяговом усилии. Складное буксировочное водило легко разбирается на несколько секций и убирается в багажное отделение.

Для более подробной информации,
свяжитесь с нами.



12/ « Aeroflot » could give « Sheremetevo »'s 3rd terminal to the airport's management (Vedomosti).

The airline doesn't have enough money to complete the building of the terminal and the new terminal appears to be too tight for the airline and its partners : the building can host 9M passengers and the airline and its partners plan, in 2010, to transport 12M passengers (17M in 2011). Igor Shuvalov, First Deputy Prime Minister, Igor Levitin, Transportation Minister, Mikhail Vasilenko, "Sheremetevo"'s Director and Vitalii Saveliev, Head of "Aeroflot" met February 5 to talk about the development of the airport. The bottom line would be to give the management of the airport (both "Aeroflot" assets and the infrastructural assets) to one managing company, which is yet to be found. But the infrastructure is public : it belongs to the Government and is let under the terms of a long-term agreement to the airport. "Aeroflot" wouldn't mind giving over "Sheremetevo-3" : all it wants to keep is ground support. But 100M USD have to be obtained in order to complete the construction and the credit lines are already exhausted.

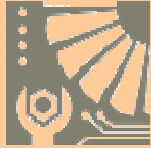
13/ China is doing some shopping in Russia (RBC Daily).

« VSMPO-Avisma » is going to produce titanium for the Chinese airliners C919 and ARJ-21. According to an "Avisma" executive, the Chinese could need for their engines up to 1.5 thousand tones of titanium per year, which is nothing compared to what Boeing and Airbus need. "Avisma" exports more than 65% of its production and, for example, "Embraer" buys 100% of its needs at "Avisma".

14/ « Sochi-2014 » : no way without helicopters (AviaPort.ru).

The security during Olympic Games is a serious and expensive issue : in Vancouver, 7000 police officers, 5000 private security officers, 4500 military (fighters, helicopters, frigates) are being mobilized. The Canadian Army is going to spend \$210M on these Games. The key stone to these Winter Games are going to be helicopters : for transfers, to move equipment, for medical purposes, for media coverage and for security backup. Organizers are planning to use helicopters to transport snow if the weather is too warm. And the conditions are the worst possible for helicopter pilots : poor weather conditions added up to terrain difficulties make it a challenge. And conditions in Sochi aren't that different to the ones in Vancouver and the Russian Winter Games, in 4 years, will also require serious air assets and serious pilot training.

UPCOMING ATO EVENTS IN MOSCOW



AIRCRAFT MAINTENANCE RUSSIA AND CIS (<http://www.events.ato.ru/eng/events/mro/>)

March 2—3, 2010
Moscow, Renaissance Hotel
5th annual Conference & Exhibition

Conference and exhibition Aircraft Maintenance Russia and CIS is an annual platform for discussing the main problems of aircraft maintenance and repair in modern conditions and ways to resolve them.

Main topics at the conference:
Western-built Aircraft MRO in Russia
Maintaining Fleet Airworthiness
Spare Parts Supplies: Obstacles and Problems
New Approaches to New Russian-made Aircraft Operation
Workshop sessions:
Redelivery conditions related to lease contracts
Component Supplies
MRO-support for western built regional aircraft

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