

Official edition
Of the Union of Composites Manufacturers
With the assistance of the magazine
«Composite World»

Industry Newsletter

Composite Materials

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**UNION OF COMPOSITES
MANUFACTURERS**

1. THE UNION'S ACTIVITY

The exhibition of the innovative solutions from composite materials for construction and repair of the objects of the transport infrastructure



The exhibition of the innovative solutions from composite materials for the construction and repair of the objects of the transport infrastructure took place on Moscow on 6th of May, 2013.

The present exhibition was organized and conducted by the Community Board at the RusAutodor together with Association legal entities "Union of Composite Manufacturers" in the frames of the science and practical conference of the Federal Road Agency of the RF «the results of 2012, tasks and perspectives for 2013-2014».

The Minister of the Transportation of the Russian federation Maksim Sokolov, the Head of the Federal Road Agency of the RF roman Starovojt, the deputies of the State Duma of the Federal Assembly of the Russian Federation Alexey Russkih, Martin Shakum, Sergey Ten, the Chairman of the Coordination Council at RusAutodor Sergey Fakhretdinov as well as the representatives of the federal bodies of the executive power and management of the federal automobile roads took part in the work of the science and practical conference.

The products for construction and repair of the objects of the transportation infrastructure were presented on the exhibition of the innovative solutions by the enterprises of composite industry among which there were the Group of Companies "RUSKOMPOZIT", FSUR "VIAM", the Group of Companies «Mashespestroy».

The present exposition was visited by the Minister of Transport of the RF Maxim Sokolov and Deputy of the Head of the Federal Road Agency Nikolay Bystrov. The executive director of the "Union of Composites Manufacturers" Sergey Vetokhin gave the message about the products from composite materials and its application in the road industry.

The presented innovative solutions attracted the deserved interest from the side of the Minister of Transport, the heads of the RusAutodor as well as the heads of the profile organizations and enterprises from the road industry. There were noted the barge perspectives of the application of composite materials in road industry. The Minister of Transport thanked the companies for participation in the event and wished the success in further development of the perspectives of the innovative products for construction of the object of the transport infrastructure.

The session of the European Composites Industry Association



The regular session of the European Composites Industry Association (EuCIA) was conducted on March 11, 2013 in Paris. The heads of the industry unions of composite industry of Germany, France, Netherlands, Norway, Italy, Turkey, Denmark, Finland and Belgium took part in the session; the Russian federation was presented by the Executive Director of the Union of Composites Manufacturers Sergey Vetokhin.

The activity of the European Association for support of the composite industry in Europe as well as the cooperation between the members of the association was discussed during the events.

At present time there are a number of the programs in the European association to which it is potentially possible to include the enterprises of the Union of Composites Manufacturers. These programs are directed to the development of the modern science, industrial and technical researches:

- **EU Competitiveness and Innovation Framework Programme (CIP, 2007-2013)**
- **EUREKA – Pan-European network for market-oriented industrial R&D**
- **COST – European cooperation in the field of scientific and technical research**
- **European Science Foundation (ESF)**
- **Science Europe (Association of European research funding and research performing organizations)**
- **Enterprise Europe Network (EEN)**
- **“incrEAST”**

In case of interest for cooperation with the European companies and participation in the programs of the European Union from the side of the enterprises – members of the Union Souzkompozit will request the actual list of the programs and more detailed information for participation in them.

The Union of Composites Manufacturers took part in the exhibition JEC-2013

The biggest European exhibition JEC-Composites Show 2013 was conducted in Paris from 12 to 14 of March, 2013.



This year more than 1200 exponents participated in this exhibition which was located on the square more than 50 000 m².

The representatives of the Union of Composites Manufacturers visited this event accord-

ing to the tradition. In the frames of the work of the exhibition there were conducted the negotiations with the leading international companies of composite industry.



JEC Composites Show is the exhibition being the biggest European industry event gathering annually since 1965 the specialists from all continents of the world in the sphere of chemical, aerospace, shipbuilding, automobile and construction sectors, railway industry, plastic industry and municipal services.

In 2014 the exhibition will be organized from 11 to 13 of March. According to the estimations it will be bigger and more interesting.

The session of the General Council of the All Russia Public Organization «Business Russia»

The questions of cooperation between the business and power bodies were discussed on march 29, 2013 on the session of the General Council of the "Business Russia"



The Minister of Industry and Trade RF, Denis Manturov took part in the work of the session. During the session there were discussed the questions of integration of the business proposals into the programs and strategies devel-

oped by the Ministry of Industry and Trade of Russia.

Denis Manturov noted that one of the tools of the realization of industrial policy is the state program of the development of the industry sectors. In December 2012 the Government approved five state programs coming under the jurisdiction of the Ministry of Industry and Trade of Russia. Four of these programs are directed to the development of the separate industry sectors: aircraft industry, shipbuilding, radioelectronic industry, medicine and pharmaceutical. The fifth program is the program of the development of the industry and increasing of its competitiveness. The present program is the complex and directed to the target development of the number of industries and sectors of the economy, supervised by the Ministry of Industry and Trade of Russia. All indicated programs are estimated for long term perspective – up to 2020-2025 and stipulated the budget co-financing.

The story about the measures of the industries state support was continued by the Executive Director of the Union of Composite Manufacturers Sergey Vetokhin presenting the subprogram of the development of the composite industry: «Thanks to the efforts and support of the Ministry of Industry and Trade and personally Denis Manturov and thanks to those efforts that were undertaken by the expert branch department including the «Business Russia» last year the question of state support of the industry was brought up for discussion for modernization and innovative development at the President of the Russian Federation that was conducted on 24th of October, 2012».



The result of the joint work was the development of the subprogram of the development of the composite industry in the frames of the state program of industry development and increasing of its competitiveness. This pro-

gram is stipulated for 8 years and at present moment it passes the agreement in the Ministry of the economic development and the Ministry of Finance of the Russian federation. In the context of the subprogram it is provided the financing in the amount more than 9 billion Rubles for 4 years (up to 2016), at that 4 billion is extra-budget financing; it means that the subprogram is the valid example of the state and private partnership. The key figure of the program is the volume of internal production that should constitute 120 milliard Rubles in monetary terms to 2020. In relation to the current state of the things this is tenfold grow. The program has a set of important tools that allows growing of the industry. These are the investment and innovative projects including the realization of top-priority task-oriented science and research and design works and a complete set of system wide measures promoting the demands for the innovative products. Among these measures Sergey Vetokhin put the accent of new tools which the Branch Department for the production of composite materials of «Business Russia» proposed to realize and which were supported on the President level and included into his decree by the results of the Council for modernization. These are the so-called programs of the implementation of the composite materials – industrial and regional. The second important moment is the question concerning interest rate subsidies by the credits that was also included into the subprogram. It concerns the subsidies of the interest rate for the purchasing of the raw materials, equipment, and the interest rate for R&D and the expenses subsidies of the enterprises for products promotion on the world markets and participation in the exhibition and fair events.

The work-out of the huge volume of the normative and technical documentation being the important tool for the implementation of the composite materials is also stipulated in the context of the program. «We come out with the initiative to create the unified technical committee that will take upon itself all questions coincided with the working out of the normative and technical documents and coordination of the current activity – Sergey Vetokhin noted.

In conclusion of his speech Sergey Vetokhin offered to conduct the scheduled meeting of the Interagency Council for the questions of development of the production and application

of the composite materials in different sectors of the economy on which to discuss the results of team work in more details. This proposal was supported by the Ministry of Industry and Trade: «We will monitor, make the “cutoff” and see what we have done for 3 months. And I will invite my colleagues of course. It's obvious that it is quite difficult to combine the schedules of all ministers but at least the colleagues will react and add their efforts as minimum».

Continuing the session Denis Manturov noticed that the Ministry of Industry and Trade of Russia expects the concrete proposals from the business as it has been done the representatives of the composite industry. «Unfortunately we are unable to support the whole industry. We are to prescribe the priorities, we have the understanding what to do for the aviation, shipbuilding, for a number of other directions but we do not have the clear solutions programs for many industries. During 10 years the state should provide the growth of this industry, these sectors by means of specific support measures not only financial. This should be a combination of the solutions».

2. INDUSTRY NEWS

CJSC "KAPO-Kompozit" will become the first resident of the industrial park created on the base of Kazanskiy aviation production association named after Gorbunov

The president of the United Aircraft Corporation Mikhail Pogosyan told about this.

The first phase of "KAPO-Composite" (the daughter company of CJSC "Aero Composite") will be put into operation in June. The enterprise will produce the elements of mechanization for the aircrafts SSJ-100 and MS-21. In the long view it is planned to produce here the aggregates of the wing mechanization and tails for all civil aircrafts of UAC including Tu-214 produced in KAPO.

"KAPO-Composite" was created by the government of Tatarstan, UAC and "AeroComposite" in 2011 on the territory of KAPO named after Gorbunov with the registered capital 20 million Dollars. Today Aero-Composite being a part of UAC is 100% owner of KAPO-Composite.

www.tatar-inform.ru

The Governor of Ulyanovsk Region visited the constructed factory for the production of composite structures if "AeroComposite – Ulyanovsk"

On 21st of March the Governor of Ulyanovsk Region visited the constructed factory for the production of composite structures of CJSC "AeroComposite-Ulyanovsk". The head of the region accompanied by the President of CJSC "AeroComposite" Anatoly Gaydansky viewed the production shops and technique of the enterprise.



At present time the first step of the reconstruction of the production building is at the finishing stage. The assembly of the auxiliary production and technological equipment is conducted.



«The factory will manufacture the first pilot products in June this year and the first serial composite wing for perspective aircraft MS-21 will be assembled till the end of July 2014», - the President of CJSC "AeroComposite" Anatoly Gaydansky informed.

Remind that on February 15, 2010 there was concluded the contract of cooperation between the Government of Ulyanovsk Region, OJSC "UAC" and CJSC "AeroComposite" for realization of the investment project "Construction of

the factory for the production of composite structures" on the territory of Ulyanovsk Region. Within the frames of the agreement in of Ulyanovsk Region will be created the production of the structures from polymer composite materials satisfying the world standards: center section panels as well as longerons and integral panels of outer wing in the interests of the program MS-21 and other perspective programs of the Unified Aircraft Corporation. The end of the factory construction is 29.11.2013.

«The factory for the production of composite aviation components "AeroComposite" is the unique enterprise the only in Russia. Putting it into operation will give a further push of the development of the aviation industry of Ulyanovsk Region and Russia as the whole», - Sergey Morozov told.

<http://uacrussia.ru>

OJSC «Russian railways» continues to implement the products of portfolio companies of RUSNANO

In 2013 the Russian railways plans a number of innovations, in particular the installation of contact-line supports with the application of composite materials.

To the present moment the contact-line supports are produced by the project company RUSNANO "Galen" and Nanotechnological center of composites created with the participation of the Fund of infrastructure and educational programs and the Holding Company «Kompozit». The first batch of the supports reinforced with the composite armature produced by the Nanotechnological center of composites has already been installed on the railroad haul «Pavlovskiy Posad - Elektrogorsk» as well as on the «Lublino» station. The supports of the company «Galen» passed the tests and are planned to be installed in nearest time.

Transfer to the application of composite armature in the contact-line supports instead of metal is stipulated by its resistance to corrosion and negative atmospheric effects first of all. Such supports do not require the special service; they are ecologically friendly and long lasting. These factors are especially important taking into account the huge length of the

Russian railways, the significant part of which passes through the districts with extreme climatic conditions.

One more perspective direction of the application of composite materials on the railways is the creation of the elements of the hangers. Against the traditional elements the analogues from composite materials do not require electric isolation that simplifies their assembly and service. In the first quarter of 2013 it is planned to finish the tests of the elements of the hangers produced by the nanotechnological center of composites and the company "Galen".

<http://energyland.info>

3. ADVERTISEMENT

May 12 – 16, 2013

The 2nd international science conference and IX All-Russian Olympiad of young specialists "Nanostructural, fiber and composite materials"



Location: Saint-Petersburg, the main building of Saint-Petersburg State University of Technologies and Design, Bolshaya Morskaya str., 18.

Organizer: SPSUTD, platform of nanostructural, fiber and composite materials; the Union of Composites Manufacturers

WITH THE SUPPORT OF the Union of Composites Manufacturers

The reports of the leading specialists of Russia, the Ukraine and Belorussia in the sphere of nanotechnologies and polymer materials are planned on the conference.

The program of the Olympiad includes the following directions:

- Nanostructural materials and nanotechnologies
- Conventional polymer materials
- Macromolecular systems

INVITE THE COMPANIES OF THE INDUSTRY TO TAKE PART IN THE WORK OF THE OLYMPIAD-SEMINAR AND PROVIDE THE SPONSOR SUPPORT!

With the questions of participation and sponsor support please address to:

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