

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

Industry Newsletter

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Composite Materials



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UNION OF COMPOSITES
MANUFACTURERS

1. The UNION'S ACTIVITY

The second session of the Interagency Council on the questions of design, production and application of composite materials in different economy sectors

The executive director of the Union of Composite Manufacturers, Sergey Vetohin took part in the second session of the Interagency Council on the questions of design, production and application of composite materials in different economy sectors conducted on January 21, 2013.

In 2013 the Ministry of Industry and Trade will appropriate 1 billion Rubles of budgetary funds for the development of 6 priority directions of application of the composites. These are transport infrastructure, construction, energetics, mechanic engineering, housing and public utilities and oil and gas production, nonferrous-metals industry and chemistry. Denis Manturov, the Minister of Industry and Trade of the Russian Federation informed about this opening the second session of the Interagency Council on the questions of design, production and application of composite materials in different economy sectors.

The Minister highlighted that altogether it is planned to appropriate about 5.5 billion Rubles of budgetary for these purposes to 2016. In parallel the attraction of extrabudgetary resources are planned.

The head of the Ministry of Industry and Trade of Russia also informed that Russtandard made the schedule of documents development in the sphere of standardization and other normative documents in the sphere of composites application in the civil sectors of the economy.

«The schedule supposes the development of 486 standards and code of practice to 2016 creating the normative basement for application of the composites in the indicated sectors, 51 standards of which are planned to accept already in 2013», Denis Manturov told.

At present in accordance with the instruction of the President of the Russian Federation, Vladimir Putin of creation of the «road map» for the development of new industries including in the production of composite materials there were determined the priorities of the realiza-

tion of the subprogram «Structural and functional composite materials of new generation» the main accent of which became the orientation to the consumer.

As the Deputy Minister of Industry and Trade, Gleb Nikitin noticed in his report of the session of the Council: «The subprogram itself supposes 4 main priorities. These are the events for demands promotion, development of industry implementation programs, development of the normative documents and science and research works. We were vested with a function to develop the supporting projects in the sphere of composite materials. In total there are 29 projects in the subprogram. We are on the finishing stage of the agreement of the events schedule for realization of the subprogram and it will be presented to the Government in March already».

By the results of the session the participants took the decision to approve the draft of the subprogram «Structural and functional composite materials of new generation» in the context of the State program «Development of the industry and increasing its competitiveness» and prepared schedule of documents developments in the sphere of standardization and other normative documents in the sphere of application of composite materials, constructions and products from them in the civil sectors of the economy.

The seminar for composites was conducted in Skolkovo Institute of Science and Technologies



The composite materials and their application spheres were in the center of the attention during three days science conference that was conducted at the end of January in Skolkovo Institute of Science and Technologies.

The main organizers of the conference were Skolteh and the Ministry of Industry and Trade of Russia. The representatives of educational and science and research institutes, industry and the state took part in the work of the conference.

On January 23, 2013 in the context of the conference there was conducted the session in the form of the seminar of the Working Group at Interagency Council for design, production and application of composite materials.

The seminar "Formation of the perspective structure of the engineering organization in the interests of composite industry" in Skolteh was opened by the Deputy Minister of the Industry and Trade of the RF, Gleb Nikitin.

The heads of practically all key players of this market in Russia took part in the seminar among which were the Union of Composite Manufacturers, HC "Kompozit", MC "Ruscomposite", "Rusatom", "RT-Himcomposite", "Central aerohydrodynamic institute named after Zhukovskij" (TSAGI), "All-Russian science and research institute of aviation materials" (VIAM), "United engine corporation", "Helicopters of Russia", etc.

The academic environment was widely presented on the seminar: these are the scientists from profile institutes and SRI, for example SPO "Saturn", "Institute of new carbon materials and technologies" ("INCM&T"), MSU as well as the representatives of the universities of Holland, Germany and the USA.

2. INDUSTRY NEWS

«Hydropress» will design a special press for Kazan helicopter factory

LLC "FEO "Stankoimport" and OJSC "Hydropress" concluded the contract for designing and purchasing of a specialized press of 5932 model with force 1600 kN for OJSC "Kazan helicopter factory".

The press model 5932 with the force 1600 kN with moving table is designed for production of large scale parts from composite materials in press molds.

www.i-mash.ru

"RT-Himcomposite" produced the composite aggregates for South-Korean rocket vehicle "Naro"



At the beginning of February the South Korea conducted the successful launch of the rocket vehicle "Naro" (KSLV-1) with the composite aggregates produced by the holding "RT-Himcomposite", informs the press-service of the company.

"Development of the rocket "Naro" had been conducted since 2002. From 2004 Russia participated in the designing, in particular the first – stage launcher KSLV-I was designed and was produced by Khrunichev State Research and Production Space Center with the active participation of Obninsk enterprise «Technologia» being a part of the holding «RT-Himcomposite». The first stage launcher of the south-korean rocket was actually the modification of the first stage launcher of the heavy – lift launch vehicles of a new type «Angara», - clarified in "RT-Himcomposite".

«Obninsk enterprise has more than thirty years' experience of work with carbon composite constructions for space and rocket techniques. And it has been cooperating more than 15 years with Khrunichev State Research and Production Space Center in the projects of the production of rocket – vehicles «Proton-M» and «Angara»,- noted the General director of the holding "RT-Himcomposite", Sergey Sokol.

At present Obninsk enterprise «Technologia» produces in batches and constantly modifies the carbon composite nose cones of the enlarged dimensions with the diameter more than 4 meters and square more than 30 m², integral cylindrical sections, cowlings of the upper stages of the rocket vehicles.

www.aex.ru

3. ADVERTISEMENT OF THE EVENTS OF THE UNION OF COMPOSITES MANUFACTURERS in 2013

26.02.2013

Conference: «Modern condition and perspectives of the development of the production and application of composite materials in Russia»

6th International specialized conference
Location: Moscow, MEC «Krokus-Expo»
Organizers: the Union of Composites Manufacturers, the Exhibition Company "Mir-Expo"
<http://www.english.uncm.ru/>

12.06.2013 – 16.06.2013

2nd International Science Conference and IX All-Russian Young Scientists Olympics «Nanostructures, fiber and composite materials».

Location: Saint-Petersburg, Russia
Organizer: SPSUTD, Platform of nanostructural, fiber and composite materials
<http://sutd.ru/nauka/conferences/nano/>

27.08.2013 - 01.09.2013

MAKS- 2013 www.aviasalon.com

30.08.2013 3rd International Conference «APPLICATION OF COMPOSITE MATERIALS IN CIVIL AND MILITARY AIRCRAFT INDUSTRY»

Industry conference in the context of the business program of **MAKS – 2013**
Location: Zhukovskij, Russia
Organizer: the Union of Composites Manufacturers
<http://www.english.uncm.ru/>

October, 2013

Conference devoted to the 70-years anniversary of the foundation of the platform Technologies of nonmetal materials processing (Processing technology of plastic mass)

Location: Moscow, Russia
Organizer: RHSTU named after L. Tcilkovskij «MATI», the platform of nonmetal materials processing technologies
<http://tpnm.mati.ru/index.php>

November 26, 2013

Composite materials: production, application, market tendencies

7th International Industry Conference
Location: Moscow, Russia
Organizer: the Union of Composites Manufacturers
<http://www.english.uncm.ru/>

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