



IMA News

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Below are articles and summaries of magnesium related stories. IMA Member companies are asked to distribute the update to their employees and if their employees wish to receive the monthly IMA News issues, please send their email addresses to the IMA World Headquarters. The IMA appreciates all member company press releases and announcements for inclusion in the monthly IMA News issues.

INDUSTRY CALENDAR

IMA Events

June 1 – 3, 2014

[IMA 71st Annual World Magnesium Conference](#)

Westin Grand München
Munich, Germany

Industry Events

April 22 – 24, 2014

[3rd International Conference and Exhibition
"Magnesium - Broad Horizons"](#)

St. Petersburg, Russia

April 23 – 24, 2014

[Global Automotive Lightweight Materials 2014](#)

London, UK

May 20 – 21, 2014

[Inaugural Lightweighting: New Solutions, New
Suppliers Conference](#)

Detroit, Michigan, USA

June 16 – 19, 2014

[25th Advanced Aerospace Materials and
Processes \(AeroMat\) Conference](#)

Orlando, Florida, USA

July 7 – 9, 2014

[Magnesium China 2014](#)

Shanghai, China

September 22 – 24, 2014

[NADCA Die Casting Congress & Tabletop](#)

Milwaukee, Wisconsin, USA

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ASSOCIATION NEWS

71st Annual World Magnesium Conference in Munich, Germany Updates

- **New this year: Complimentary Member Reception**
- **IMA Group Hotel Rates Expire Friday, 11 April**
- **The IMA Thanks all our 2014 Sponsors and Exhibitors!**
- **Spouse and Guest Tour Registration Deadline is Wednesday, 30 April**

IMA in the News – Modern Metals

IMA Member Conference Discount Available: 3rd International Conference and Exhibition "Magnesium-21/Broad Horizons"

[Articles follow below](#)

INDUSTRY NEWS

IMA Members Only: April Magnesium Review from Metal-Pages

Magnesium: New Pilot Plant Coming to Quebec

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EUROPE NEWS

RWE Concept Study Concludes German Magnesium Plant is Economically Viable

Magnesium Elektron's Elektron® 43 Alloy to Be Used in Aviation Passenger Seating for First Time

European Car Sales Recovery Gains Pace as German Deliveries Rise 5%

[Articles follow below](#)

ASIA NEWS

IMA Members Only: April China Magnesium Industry and Market Bulletin

2014 POSCO TJ Park Prize Award Ceremony

Ford Will Cut About 950 Jobs in Russia as Ruble, Car Demand Weaken

[Article follows below](#)

EDITOR'S NOTE: IMA makes every possible effort to substantiate the articles which appear in the Update. However, as this is not always possible IMA does not warrant the details nor accuracy of any given article. Please keep in mind that materials are attained through press releases, outside articles from numerous sources and publications. Such materials often contain opinions which are not that of the association nor should they be construed as such. We realize that in the case of some materials, the translations might often lead to less than perfect grammar, etc. It is our position however to print as submitted rather than take upon ourselves the editing of such materials which would entail potential changes unwanted by any given author.

ASSOCIATION NEWS

71st Annual World Magnesium Conference in Munich, Germany Updates

The 71st Annual World Magnesium Conference which will be held from June 1 – 3, 2014 at the Westin Grand München, Munich, Germany.

Complimentary Member Reception

New this year, the IMA will host a complimentary members only reception on Monday, 2 June. The IMA will have exclusive use of the historic [Paulaner Bräuhaus Beer Garden](#) from 17:30 – 19:00.

On behalf of Dr. Karl Kainer, President and the Board of Directors, all IMA members are invited to hold the evening to attend and enjoy authentic German fare as well as network with your IMA Board of Directors, Committee members and IMA member colleagues from around the world.

IMA Hotel Group Rates Expire Friday, 11 April

The IMA group rate at the Westin Grand München expire this Friday, 11 April so please be sure to make your [online reservations](#) this week to take advantage of the group discount.

The IMA Thanks all our 2014 Sponsors and Exhibitors!

The IMA would like to recognize our [sponsors](#) and thank all the [exhibitors](#) that have signed up to showcase their products and services!

In addition, booth space is selling very quickly so if you are interested in exhibition space for your company, please register [online](#) and select your [booth space](#) today!

Spouse and Guest Tour Registration Deadline is Wednesday, 30 April

The annual Spouse and Guest Tour will take place on Monday, 2 June. This year's tour includes a beautiful ride to the Bavarian Alps and visit Lake Tegernsee. Attendees will take a cable car ride up to Mount Wallberg to see gorgeous views over the lake and the Alps and enjoy lunch at the mountain top Wallberg Restaurant.

There is room for 15 spouses or guests on the tour. If your spouse or guest is not yet registered, there are only a few tickets left so please register by the deadline, 30 April.

Please visit the conference website at www.IMAworldconference.org to get all conference details.

IMA in the News – Modern Metals

The IMA will soon issue a press release announcing the publication of an online Modern Metals article in which Mike Schultze, IMA Executive Vice President is quoted. Published on www.modernmetals.com on 6 March, in the article entitled, "Not The same Old Sedan," Schultze offers insight into use of magnesium by the automotive industry to make lighter vehicles.

"Magnesium is another option to help lower weight in vehicles. Mike Schultze, executive vice president of the International Magnesium Association, Wauconda, Ill., points out many automotive manufacturers are choosing to make parts out of magnesium, including 'steering wheels, door frames, seat frames, cylinder head covers, crankcases and wheels.'"

Click here to read the full online article www.modernmetals.com.

IMA Member Conference Discount Available:

3rd International Conference and Exhibition "Magnesium-21/Broad Horizons"

The IMA has been invited to partner with the [3rd International Conference and Exhibition "Magnesium-21/Broad Horizons"](#) that takes place April 22 – 24, 2014 in St. Petersburg, Russia.

The goal of the coming Forum is to thoroughly discuss the status and the main tendencies of the present market of magnesium and its alloys and to demonstrate the latest achievements in science and technology.

Taking into account the results of the previous Conferences the Organizing Committee is confident that the Forum will raise great interest in the professional circles and will attract companies specializing in magnesium production and application, producers of equipment and raw materials, and major consumers of these products.

Please note that **Mr. Martyn Alderman, Director of Technology, Magnesium Elektron** and IMA Member, will be among the presenters at the conference.

As an IMA Member, you can claim a 7% discount on the advertised rates. To claim this offer, please email Ms. Olga Feskova at conference2@alusil.ru or by phone at +7 (495) 785 20 05.

INDUSTRY NEWS

IMA Members Only: April Magnesium Review from Metal-Pages

Global primary magnesium production shot up 13.4% in 2013, driven largely by continued capacity expansions across China, according to latest figures from the US Geological Society (USGS). World primary production increased to 910,000 tonnes last year from 802,000 produced in 2012.

China remains by far the world's largest producer of magnesium, with the country's production shooting up to 800,000 tonnes from 698,000 tonnes in 2012. USGS reported that China's magnesium production was 478,000 tonnes in the first half of 2013, 26% higher than that in the first half of 2012.

"Capacity expansion continued in areas adjacent to sources of dolomite or lake brines and coking operations. Although much of the newer capacity is in locations with lower costs, such as Shaanxi Province, older capacity was still producing at reduced rates and could increase output if prices supported it," the USGS said.

Russia is the next biggest producer of magnesium and its output edged up to 30,000 tonnes last year from 29,000 tonnes the year before. Israel's Dead Sea plant also increased output by 1,000 tonnes to 28,000 tonnes, while Kazakhstan's production was flat at 21,000 tonnes. There were no figures available for US output, while Brazilian output was also flat at 16,000 tonnes in 2013.

In terms of consumption, the USGS said that the use of magnesium in automobile parts was expected to continue to increase as automakers seek to decrease vehicle weight to comply with fuel efficiency standards. It added that consumption of magnesium in the production of titanium metal by the Kroll process was expected to increase as the use of titanium increases in aerospace applications.

The European magnesium market has seen softer demand than expected for Q2 business and weaker offers from key supplier China, where production is running at reasonable levels. Sources said the market was due to a combination of weaker price offers from China, the key supplier to Europe, and weaker-than-expected demand from European consumers.

"You would expect to see some second quarter business in the market by now, but there has been very little from buyers, such as in the secondary aluminium market."

The cheapening of the Chinese yuan versus the dollar and euro amid a slowdown in its economic strengthening, has also been encouraging Chinese suppliers to offer competitive prices more aggressively, sources said. Moreover, magnesium stocks have been building steadily in Europe and China.

Chinese smelters are said to be running at reasonable levels, but not at full production, and there have been no reports of any shutdowns. The Chinese magnesium metal market has stabilized losses in recent days due to more stable raw material prices such as for coal and ferro-silicon.

Industry sentiment is uncertain about near-term market direction as consumer demand is expected to be moderate in the long term amid slower economic growth.

Many minor metals and alloys, such as magnesium, ferro-manganese, ferro-silicon, antimony, cadmium, vanadium and molybdenum are all used in car production. About half of magnesium production ends up in magnesium alloys and the rest is used to make beverage cans.

China dominates world magnesium production with some 600,000 tonnes in recent years, accounting for 83% of the world total, while Chinese domestic consumption was put at 220,000 tonnes in 2012, up 27% year-on-year, according to industry data.

The Chinese magnesium metal market has stopped falling in the past few days due to more stable prices for coal and ferro-silicon, the main raw materials for the metal. Industry sources lack confidence about market direction as end-user demand is expected to be moderate in the long-term in response to slower economic growth.

A producer source from Shanxi reported that they are considering cutting production to avoid losses in April. "We usually do equipment maintenance in July and August, during hot weather and the summer vacation in western countries, but we will have to cut production to prevent prices from dropping further this year."

For the latest magnesium news and prices visit www.metal-pages.com. To subscribe at the special IMA membership rate, email Metal-Pages at info@metal-pages.com.

New Lightweight Magnesium Car Parts are Helping to Cut Down Emissions

Three toy cars sit on UBC professor Warren Poole's desk. It's when you pick them up that you notice the difference. The steel one is as heavy as a brick, the aluminum one feels like a litre of milk, and the lightest one, no heavier than a stick of butter, is made of magnesium.

When you scale up to real vehicles, the difference in fuel economy between the steel and the magnesium car components is 30 miles per gallon (7.8 litres/100 kilometres) compared to 40 miles per gallon (5.9 litres/100 kilometres) – which all translates to reduced emissions, not to mention cheaper gas bills for the driver. That's why six years ago, a group of researchers and car companies set out to replace heavy steel with lightweight magnesium.



UBC's Warren Poole and other members of the MagNET Project are developing lightweight magnesium car parts that can be widely adopted by the auto industry. Photo: Martin Dee

"For the average person, the reduction in the weight of a vehicle will be something they don't notice very much other than when they go to the gas station because their vehicle will get much better fuel economy," says Poole, a material engineering professor and scientific director of the MagNET project, a collaboration between several Canadian universities, including UBC, and auto part companies.

What drives this research?

The fuel economy of the average North American vehicle today is about 30 miles per gallon (7.8 litres/100 kilometres). By 2025, standards set by governments in both Canada and the United States will require this to increase to about 50 miles per gallon (4.7 litres/100 kilometres).

"This is a huge challenge for the car companies but it is going to be a good thing for consumers because cars will use less gasoline," says Poole.

Ford shook up the auto industry earlier this year when it revealed its new F-150 pickup truck made mostly of aluminum. Compared to its steel predecessor, the aluminum F-150 is 300 kilograms lighter. MagNET believes it can create even lighter car components.

"Magnesium is the lightest structural material known. It is one-third lighter than aluminum and 80 per cent lighter than steel," says Poole.

Not alone at the wheel

MagNET focused on creating a car part called the door inner—a panel on the inside of the car that separates passengers from the inner workings of the door and the outside door panel.

Car companies experimented with manufacturing magnesium door inners but found them too costly and too time-consuming—magnesium door inners took almost five minutes to make while steel doors take less than 10 seconds.

MagNET researchers created a lightweight, strong magnesium alloy and worked with Magna International, a major car parts manufacturer, to develop a procedure for making the door inner.

Magna and MagNET found a way to make this in a matter of seconds using existing steel door equipment. If manufacturers want to adopt magnesium in the future, they won't need to replace expensive machines.

"I think a lot of companies would be interested in our approach," says Poole.

General Motors was one of the biggest supporters of MagNET. If it replaced four steel door inners with magnesium, each car would be about 18 kilograms lighter.

"Of course this is just one component," says Poole. "We could look at changing all sorts of components like trunk lids, roofs and hoods. There are many components that are candidates for the use of magnesium."

More work to do

Replacing components like door inners would not compromise safety, assures Poole. The car body and side impact beams that protect drivers and passengers in an accident would still be made out of the heavier and stronger steel.

However, magnesium is more expensive than steel and is prone to corrosion. Given the harsh environments we live in, researchers need to ensure that magnesium parts don't corrode too quickly. There is also the challenge of joining magnesium to other parts of the car.

Still, Poole and his MagNET colleagues are confident that magnesium will be adopted so car companies can meet their targets to reduce emissions by 2025.

"Sixty million cars are added to the road each year," says Poole. "If each vehicle is even just 18 kilograms lighter, there would be a substantial amount of fuel saved and reduction in greenhouse gases."

MagNET is a collaboration between industry and Canadian universities UBC, McMaster, University of Waterloo, McGill and École Polytechnique de Montréal. Funding for the project came from a Natural Sciences and Engineering Research Council (NSERC) Strategic Network.

Source: www.news.ubc.ca (26-Mar-2014)

Magnesium: New Pilot Plant Coming to Quebec

The government of Quebec has offered a \$2.5-million interest free loan to help build a pilot plant to confirm the economic viability of a new technology for producing magnesium. Alliance Magnesium will build the facility near Asbestos and use the serpentine tailings from the Jeffery asbestos mine as feed. Cost of the pilot plant is estimated at \$10 million.

A commercial plant with a production capacity of 50,000 t/y of metallic magnesium will cost \$500 million and create 300 new jobs, estimates the company. A three-stage development program is planned – pilot plant, pre-commercial plant and commercial plant. The pilot plant will produce 25 kg/d.

Alliance Magnesium is a privately owned Canadian company that has developed a patented electrolysis technology for the production of magnesium from serpentine rock. The technology is much cleaner than others used by magnesium producers around the world.

Source for full article: www.canadianminingjournal.com (3-Mar-2014)

EUROPE NEWS

RWE Concept Study Concludes German Magnesium Plant is Economically Viable

Latrobe Magnesium Limited has completed the RWE Concept Study which concluded the German magnesium extraction project to be economically viable and worthy of further development.

The Project was defined in the study as a magnesium plant producing 40,000 tonnes of magnesium per annum and some 320,000 tonnes of cementitious material.

RWE Power AG is part of the RWE Group in Germany and has a confidentiality agreement with LMG to examine the feasibility of extracting magnesium metal from its Hambach mine based on LMG's technology. The RWE Group is a top 30 company listed on the German Stock Exchange (DAX). RWE Power uses a broad energy mix of brown coal, hydro and nuclear power stations and is also a driver of innovation for coal fired power stations and CO₂-avoidance. It employs more than 13,500 people.

Currently, Europe imports most of its 150,000 tonne annual magnesium requirement from China.

The Project involves sourcing the brown coal fly ash that is derived from RWE Power's Hambach mine. In 2012, the coal content of this resource was reported to be in the order of 1.5 billion tonnes, over a 30 year project life. The Project will require only about 33% of the annual coal output of the Hambach mine.

As the Hambach brown coal fly ash contains a higher iron element than some of the Latrobe Valley fly ash, LMG's hydromet process was expanded to include a magnetic separation step. Recent test work showed that this step combined with a conditioning step removed approximately 80% of the iron in the fly ash. The precipitate produced contained up to 84% iron oxide. This precipitate will be further investigated to determine whether a magnetite product can be developed for sale.

The financial model indicated that both the operating and capital costs are slightly lower than an equivalent 40,000 tonne per annum plant in Australia. The higher German tax rate means that the net present value of this Project is similar to the Latrobe Valley project.

In June, the Chairman is due to meet with RWE Power executives to discuss how the parties will move this project forward, define milestones and the indicative timetable.

Source: www.latrobemagnesium.com (11-Mar-2014)

Magnesium Elektron's Elektron® 43 Alloy to Be Used in Aviation Passenger Seating for First Time

Magnesium Elektron, a world leader in the development, manufacture and supply of high-performance magnesium alloys, has announced the first use of its proprietary Elektron® 43 alloy in aviation seating.

ZIM FLUGSITZ GmbH, a German manufacturer of seating for the aerospace industry, is now producing seats with major structural components made from Elektron® 43. The new seats will provide a significant weight reduction compared to aluminum alloys commonly used for such seating, while retaining the strength and ductility of a metallic component. The first of these new seats are scheduled to enter service later in 2014 in a low-volume non-commercial aviation platform.

Uwe Salzer, Vice President, Research and Development, for ZIM FLUGSITZ, said: "There is always a need for weight reduction, and magnesium can be a solution for certain components."

Steve Montisci, European Technical Sales Manager, Wrought Products, for Magnesium Elektron, said: "The use of our Elektron® 43 magnesium alloy has enabled ZIM FLUGSITZ to surpass their weight-reduction targets and improve the fuel efficiency and endurance in this new application. They are the first to realise the weight-saving benefits of magnesium for this type of application, and we have enjoyed working with them to achieve this milestone. Although it is still a little early to expect a breakthrough into high-volume applications, this project is an important step and will demonstrate the benefits that Elektron magnesium alloys can bring to future lightweighting strategies for commercial aircraft designers and operators."

Magnesium Elektron alloys have been widely used in military aircraft for many years, as well as in critical engine components for civil aircraft. During the past decade, Magnesium Elektron has been working with regulatory bodies, aircraft manufacturers and seat manufacturers around the world to gain acceptance for using magnesium in civil aircraft interiors, including changing provisions of SAE standard AS8049 so that magnesium can be approved for use in commercial aircraft with 20 seats or more. In June 2013, the Federal Aviation Administration (FAA) announced: "With the results of the Magnesium Full Scale Testing and the progress demonstrated in the development of the lab scale test method the FAA would now allow magnesium in aircraft seats providing the requirements and conditions as set out in the Special Conditions are satisfied." The FAA, European Aviation Safety Agency (EASA) and the aircraft industry continue their work to finalise the framework of the Special Conditions route for commercial aircraft applications.

Source: www.magnesium-elektron.com (05-Mar-2014)

European Car Sales Recovery Gains Pace as German Deliveries Rise 5%

Germany joined France, Italy and Spain in posting higher new-car sales in March, adding to signs that a recovery in the European market is gaining strength.

German new-car registrations rose 5 percent to 296,408 last month, driven by gains from the major German brands except for Porsche and Smart, the Federal Motor Transport Authority KBA said today. Sales to private customers rose 3 percent.

First-quarter registrations are up nearly 6 percent to 711,753 compared with a year earlier.

Car sales rose 9 percent in France to 179,871 in March as the country's stop-and-start rebound appeared to find a firmer footing.

In Spain, which had been among the countries worst hit by the euro zone debt crisis and six-year sales slump, registrations jumped 10 percent to 79,929 for a seventh straight monthly advance.

In Italy, monthly registrations rose 5 percent to 139,337 vehicles.

Industry watchers were cautious about the recovery signs.

"Spain stands out in the European context thanks to the (subsidies) plan," said David Barrientos, a spokesman for Spain's Anfac industry association. "The next few months are when most registrations happen and will be critical to securing the recovery."

Rome-based industry grouping UNRAE warned that Italian growth was driven by unprofitable sales to rental companies and reiterated a call for tax breaks to spur consumer demand.

The French recovery has been halting so far with car sales jumping 9 percent in December, only to stagnate in January and February.

Source: www.europe.autonews.com.com (02-Apr-2014)

ASIA NEWS

IMA Members Only: April China Magnesium Industry and Market Bulletin

Ms. Chen Ailian Proposes for Strengthening Mg-alloy Industry

Ms. Chen Ailian, Chairman of Wanfeng Auto Holding Group and deputy to the National People's Congress (NPC), delivered to central government the Proposal on Substantially developing Mg-alloy Industry during second session of the 12th NPC. Ms.Chen, a private entrepreneur of notability, also holds the newly-acquired Meridian.

She concludes that Mg-alloy in auto industry will conducive to energy saving and environmental protection, resulting in lowering fuel consumption and emission



while realizing lightweight in auto body, and lower energy for cyclic process against other traditional materials. Accordingly, she suggests as follows:

1. Issue preferential policy for Mg-alloy- related producers: To enhance the production and application of Mg-alloy forging, extrusion and FRP, preferential policy, including VAT refund, should be implemented to facilitate the technical and product update of Mg-alloy casting and parts producers.
2. Establish strategy alliance for Mg-alloy application and commercial production: The alliances cover Mg-alloy in auto, bike, aviation and military industries, with fund support.
3. Provide fund for Mg-alloy R & D and industrialization.
4. Resume and increase export refund for Mg-alloy fabrication: increase the export rebate for both Mg-alloy fabrication and articles.
5. Establish subsidy and reward system for domestic Mg-alloy products and lightweight.
6. Compile national Mg-alloy R & D and application plan for year 2020.

Wanfeng Auto Holding Group leads Al-alloy hub industry in China. It also operates Weihai Wanfeng Magnesium for Mg-alloy hub and other castings. In December 2013, it acquired, through its subordinate Tianshuo Investment, 100% share of Meridian Lightweight Technologies.

The proposal by Ms. Chen was a joint effort by experts from magnesium and auto industries, including Mr. Dong Chunming, GM of Sunlight Metal, and Mr. Yanjianlai, Deputy Director of SAE-China.

Top 10 Primary Magnesium Producers by Output in 2013

By statistics from the CMA, there were 32 producers each boasting 10kt/a plus of capacity in 2013, with subtotal output at 597.5kt, or 77.63% of national total, up 25.3%, while 5 producers each boasts 30kt/a plus of output, with subtotal output at 198.2kt/a, or 25.8% of national total, also indicating growth.

No.	Producer	Capacity(kt)	Output(kt)	Output change %
1	Yinguang Huasheng Magnesium	80	52.5	5.02
2	Huiye Magnesium	70	41.3	4.79
3	Taiyuan Yiwei Mangesium	60	40	16.67
4	Wenxi Regal Magnesium	50	33.4	0.60
5	Wenxi Bada Magnesium	50	31	24.00
6	Fugu Jingfu Coal & Chemical	30	23	12.66
7	Dunan Sun Magnesium	25	22	111.54
8	Fugu Xintian Magnesium Alloy	20	20.4	36.83
9	Wutai Yunhai Magnesium	30	20	0.00
10	Shenmu Jiangtai Coal & Chemical	20	18.3	4.87
	Subtotal	435	301.8	+3.85

(Source: CMA)

Note: Output of Huiye Magnesium includes its 2 plants in Fugu, Shaanxi, and Taiyuan Yiwei Magnesium includes its 2 plants in Shenmu, Shaanxi.

37 Magnesium Products into Recommendatory Catalogue of High-Tech Products in Nonferrous Metal Industry

On March 25, the China Nonferrous Metals Industry Association issued, in Beijing, the Recommendatory Catalogue of High-Tech Products in Nonferrous Metal Industry. Wangqinhua, deputy director of the Association, gave related introduction and explanation.

Included in the catalogue are 27 Mg products, i.e., high-strength wrought Mg-alloy, high-purity Mg, Mg-alloy precision casting, heat-resistant Mg-alloy casting, large-section Mg-alloy semi-continuous casting and slab, rare earth Mg-alloy casting, large-section Mg-alloy hollow profile, large Mg-alloy extrusion with large section and hollow structure, isothermal Mg-alloy profile, Mg-alloy forging, Mg-alloy forging hub; large Mg-alloy structure with isothermal forging, large-section Mg-alloy sheet, Mg-alloy FRP, Mg-alloy strip, Continuous rolling Mg-alloy sheet, isothermal and high plasticity Mg-Zn-RE sheet, Mg-alloy sheet with high extrusion and rolling plasticity, Mg-substrate biomaterial, Mg-alloy hot rolling sheet, Mg-alloy precision rolling sheet, Mg and MgH₂ with nano-size, Mg-substrate hydrogen storage material, high-voltage and high efficient Mg sacrifice anode rode, low-voltage and long-life Mg sacrifice anode rode, high-performance Mg alloy for anode protection project, and complex-section Mg-alloy profile.

Wanqinhua said nonferrous metal industry, for long time, has been generally defined as energy intensive and environmentally pollution industry, however, these are unscientific and inaccurate, resulting in unfavorable limits in both export rebate and fabrication trade. The timely catalogue will enhance the objective understanding from all works of life for nonferrous metal industry, play an active role in long-term industry reshuffle and update transfer, and lay practicable foundation for industry, tax and trade policies from related governments.

AMGAIN Shandong Magnesium Receives ISO9001 and ISO14001 Certificates



AMGAIN Shandong Magnesium receives ISO 9001 and ISO14001 certificates as indicated in its website.

AMGAIN Shandong Magnesium, as high-tech producer, intensifies its efforts in Mg-alloy R & D, with complete industry chain spanning Mg-alloy smelting, extrusion, casting and sheet facilities. Now it serves Mg-alloy solutions for rail transport, aviation and spaceship, power-driven tools, lightings and general machinery. By large section extrusion technology and 4500T extrusion, the largest tonnage extrusion in China, it develops series of Mg-alloy wide-section profile, and 18

technologies are intellectually proprietary.

By 4500T extrusion, it produces 1mm long and 1200mm plus wide Mg-alloy sheet, with commercial price within 5000 RMB yuan per ton.

Ningxia Initiates Ningxia Mg and Mg-Alloy Technology Center

Ningxia Mg and Mg-Alloy Technology Center is established, upon the discussion and examination, by expert team from China Magnesium Association, Metallurgical Industry Office of Ningxia government, Ningxia Magnesium Association, and Economic & Information Commission of Ningxia government, following the regulation of Management Procedure of Ningxia Project Technology Research Center, and taking into account the substantial technical force and complete basic condition equipped by Ningxia.

The center will be conducive to the healthful development, and benefit the comprehensive competitiveness of local magnesium industry.

Export Hit 67.3kt; up 13.6% for the First 2 Months in China

By statistics from China Customs, export of magnesium products in the first 2 months for year 2014 hit 67.3kt, up 13.6%. Of which, ingot stood at 33.6kt, up 6.5%; alloy at 18.5kt, up 25.3%; powder at 13.2kt, up 14%; article at 870t, up 25.4%, and semis at 700t, up 8.9%.

As shown above, the first 2 months saw healthful uptrend, and the export of 5 HS code magnesium products all continued to grow up, especially both magnesium alloy and article. The growth in export shows the recovery of consumption globally.

Output of Primary Magnesium Closed at 115.2kt; up 1.8% for the First 2 Months in China

Sunlight Metal news: Statistics from China Nonferrous Metal Industry Association indicated that the first 2 months saw 115.2kt of primary magnesium output, up 1.8%. Of which, subtotal output in Shaanxi stood at 50.4kt, up 13.3%; 36.7kt in Shanxi, down 15.4%; 15.9kt in Ningxia, down 3%; 5.4kt in Xinjiang, up 224.5%; 4.9kt in Henan, up 16.4%; 800t in Jilin, up 101.3%; 600t in Sichuan; 300t in Inner Mongolia, down 50.5%, and 30t in Qinghai, down 93.9%.

As shown above, output of primary magnesium during the first 2 months kept its uptrend, but with narrow growth rate. Shaanxi went through better growth, but downtrend in Shanxi and Ningxia, especially in Shanxi. Growth also covered Henan, Xinjiang and Jilin.

1.65 Billion Yuan of Loan into 9 Fugu-located Magnesium Producers

The Shaanxi Magnesium Association announced Baoshang Bank injected 1.65 billion yuan of credit loan, on March 31, into 9 backbone magnesium producers in Fugu. The move clears up the rumor that private companies in Fugu are deprived of the financial support from banks, and also revitalize the confidence from local private companies.

From H2 (2013), private companies in Fugu, stricken by downward economy, have encountered unprecedented shock, resulting in shrinking and even no net profit following the deduction of overhead expense, financial expense and tax. They are of insolvency for paying bank loan. Accordingly, many companies live in financial straits and operational predicament.

From Sept.2013, Baoshang Bank staged intensive investigation on 28 out of 33 producers. Upon 3-month study, the bank concludes that magnesium industry in Fugu is complete with cyclic economy, competitive cost, large market, substantial profit and lower risk. Fugu, in magnesium industry, contributes large share to national and global output. By downstream fabrication, Fugu is of bright prospect. So, Boshang Bank decides to provide financial support to magnesium producers in Fugu.

In October 2013, Baoshang Bank and Fugu Magnesium Association jointly initiate Baoshang -Bank-Dedicated Magnesium Producer Club. Its first member include 9 magnesium producers, i.e., Jingfu Coal & Chemical, Tianyu Group, Wanyuan Group, Shengtian Group, Jinwantong Magnesium, Zhongmei Coal & Chemical, Tongyuan Magnesium, Huanshun Magnesium, and Yide Magnesium Alloy. Upon strict and precise examination, the above 9 companies receive 1.65 bln. yuan of credit loan.

Upon the injection of financial support, 9 producers will further develop their strong points, and their output will ramp up to 1/3 of national total from former 1/4. Consequently, Baoshang Bank will continue cooperation with Shaanxi Magnesium Association, and issue, in Apr. 2014, the strategy agreement.

Magnesium China 2014: The Best Exhibition for Magnesium Industry in China

On July 7, 2014, the grand opening of Magnesium China 2014 in Shanghai New International Expo Centre (SNIEC) will take place. The Expo will be held from July 7-9, 2014. It will highlight magnesium industry showcase, dedicate to the most influential platform for magnesium sector. Sunlight Metal suggests active participation from magnesium industry.



The organizer, Reed Exhibitions, leads the global exhibition with marvelous invitation and spectator appeal. Supported by China Nonferrous Metal Industry Association, this exhibition takes place simultaneously with Aluminum China 2014, the summit gathering worldwide and the No.1 aluminum industry exhibition in Asia. Aluminum China 2014 will run for its 10th debut in China, attract over 500 leading companies worldwide from over 30 countries and regions. Of it's over 16,000 visitors, half of them come from downstream sectors including aluminum fabrication, auto, casting, packing, machinery, B&C, and electronics segments. Also present are hundreds of media for on-site press. Taking into account some same property between magnesium and aluminum, organizer attentively arranges Magnesium China 2014 to attract more visitors and enhance the influence of magnesium industry.

Magnesium China 2014, from 2011 to 2013, has run for 3 years, and attracted dozens of magnesium and magnesium alloy producers, including Beijing Gonleer, Jiarui Holding, AMGAIN Shandong Magnesium, Tianjin Dongyi Magnesium, Stolfig Mould(Shanghai), Yinguang Magnesium, Yinhe Magnesium, Wuxi Fumei Light Alloy Sci. & Tech., Nanjing Yunhai Special Metals, Regal Magnesium, RAUCH, Nanjing Baoqi Magnesium Sci. & Tech., Chinalco Luoyang Copper, Shenzhen Yamei Sci. & Tech., Zibo Hongtai Anti-Corrosion, Shanxi Credit Magnesium, Hebi Magnesium Association, and Fugu Magnesium Association. It is reported that more producers attended than ever before and will present in Magnesium China 2014.

Mr. Dong Chunming, magnesium industry expert, and GM of Sunlight Metal says magnesium producers, especially both magnesium alloy and fabrication producers, will, by the most influential Aluminum China 2014, find more potential customers, widen their horizon, and tap new magnesium market.

For more information please visit www.magnesiumexpo.com.

Outsourcing Magnesium by Sponge Titanium Producers in China hit 74kt in 2013

Statistics from China Titanium Association shows year 2013 saw output of sponge titanium at 81.2kt by 13 producers, against 84.5kt in 2012, down 0.34%, while net export closed at 3.6kt, and sales at 77.6kt (including that by State Reserve Bureau), up 5.7%. Sunlight Metal believes that magnesium demand by sponge titanium in 2013 stood at 74kt, basically the same level as in 2012.

Sunlight Metal was informed that both Zunyi Titanium and Luoyang Sunrui Wanji mainly consumed their own magnesium but with part of outsourcing magnesium, while remaining 11 producers all depend on outsourcing reductant.

Also, output of titanium ingot closed at 62216t in 2013, down 4.2%, titanium semis at 44453t, down 13.8%, net export at 5974t, and sale at 38506t, down 10.5%.

Despite declining demand from domestic chemical and metallurgical sectors, such sectors add momentum to titanium consumption as large aircraft, marine defense and projects, aviation and spaceflight segments. In international market, the year 2013 saw difficult recovery of economy in both Europe and USA, and more in financial straits is Japan. So, large scale downtrend for sponge titanium demand prevailed in international market. Against sluggish demand at home and abroad, titanium industry in China goes through dilemma. In 2013, titanium industry, owing to slack demand, saw over capacity, and sharp decline in price for both sponge titanium and its semis, and even fluctuated for 7 running months in minimum price. Basically, sponge titanium industry in China run in loss while titanium semis operates in low margin.

Sunlight Metal believes that sponge titanium industry, as traditional end use market, will, owing to limited growth, be more competitive and its consumption on magnesium will be basically unchanged.

Magnesium Ingot Price by Sunlight Metal

	Fugu RMB	Wenxi RMB	Taiyuan RMB	Ningxia RMB	FOB (Tianjin) USD
Jan.4	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Jan. 11	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Jan.18	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Jan.25	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Feb.1	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Feb.8	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Feb.15	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Feb.22	14950-15050	15150-15250	15350-15450	15150-15350	2600/2680
Mar.1	14800-14900	15000-15100	15200-15300	15000-15200	2580/2630
Mar.8	14700-14800	14900-15000	15100-15200	14900-15100	2570/2620
Mar.15	14550-14650	14750-14850	14950-15050	14750-14950	2560/2610
Mar.22	14350-14450	14550-14650	14650-14850	14550-14750	2500/2600
Mar.29	14300-14400	14500-14600	14600-14800	14500-14700	2500/2600

Sunlight Metal collects and publishes daily ingot quotation and FOB price from key magnesium production regions objectively, independently and systematically. Being taken into account the viewpoints from both supplier and consumers, Sunlight Metal price, rationally reflecting the change in market, is the most authoritative in domestic magnesium sector for 5 years running. For more detail and inquiry, please contact us at info@chinamagnesium.net.

Source: www.lightmetal.com.cn/en (04-Apr-2014)

2014 POSCO TJ Park Prize Award Ceremony

The POSCO TJ Park Foundation held its `2014 POSCO TJ Park Prize` awards ceremony at POSCO Center on March 26th. Korea Institute of Advanced Studies Mathematics School (KIAS) Professor Bumsig Kim, Canaan Farmers School, and the Rainbow Community, received award plaques for the Science Prize, Education Prize, and the Community Development and Philanthropy Prize, respectively, along with 200 million KRW each in prize money.



In his welcoming speech, POSCO TJ Park Foundation Chair Oh-joon Kwon emphasized, ``The awardees are creative innovators who strive for great meaning in their short lives. They are the hope that will light up tomorrow and the wheels that carry dreams to the future.``

Education Minister Nam-soo Seo said in his congratulatory speech, ``POSCO is based on a founding spirit of `limited resources, unlimited creativity` by the late Honorary Chair Tae-joon Park, supporting and encouraging creative talent and those who dedicate themselves to serving neighbors in need, which will become great assets for Korea as it strives to build a creative economy.``

Science Prize winner Professor Bumsig Kim of KIAS is a leader in mathematics, taking on the task of solving many as yet unsolved problems including inventing the unique `Quasi-map` concept which researches the relationship between geometrical constants that appear in algebraic and symplectic geometry.

The Canaan Farmers School was awarded the Education Prize, having been providing social education for adults since 1962, a time when adult education did not even exist as a formal concept. It has nurtured social leaders and contributed greatly to national social development. Since the 1990s, the school has also presented Korean style adult education models including social education for North Korean refugees and the elderly, and an effort for agricultural projects in 12 underdeveloped nations throughout Asia and Africa.

The Rainbow Community received the Community Development and Philanthropy Prize. It is a social organization that began with the operation of a group home, a small community-centered facility where the mentally challenged live with their families and volunteers, which was first introduced to Korea by Father Noel O'Neill. Group homes provide basic education and simple vocational training for mentally challenged self-support.

At the awards ceremony, National Assembly Vice-Speaker Byung-suk Lee, Education Minister Nam-soo Seo, Academy of Korean Studies President Bae-yong Lee, National Commission for Corporate Partnership Chair Jang-hee Yoo, Seoul Metropolitan Office of Education Superintendent Yong-lin Moon, Yonsei University President Kap-young Jeong, Korea Institute of Advanced Studies President Jong-hae Keum, and former POSCO TJ Park Prize winners were in attendance.

The POSCO TJ Park Foundation established the POSCO TJ Park Prize to honor the achievements of Honorary Chair Tae-joon Park who established the `Steel Scholarship Foundation` in 1971, promoted POSCO's founding philosophy of respect for creativity, the nurturing of talent, and the promotion of philanthropy, in turn forming a healthier, happier society, and has been awarding its Science Prize, Education Prize, and Community Development and Philanthropy Prize since 2006.

The POSCO TJ Park Foundation held its `2014 POSCO TJ Park Prize` awards ceremony on March 26th at POSCO Center. From the left, Education Minister Nam-soo Seo, KIAS Professor Bumsig Kim couple of KIAS, Father Noel O'Neill of the Rainbow Community, Canaan Farmers School 1 Principal Pyeong-il Kim, Canaan Farmers School 2 Principal Beom-il Kim, Mrs. Ok-ja Jang, and President Oh-joon Kwon.

Source: www.posco.com (31-Mar-2014)

Ford Will Cut About 950 Jobs in Russia as Ruble, Car Demand Weaken

Ford Motor Co.'s Russian joint venture is cutting about 950 jobs at two factories in response to the falling ruble and deteriorating demand in the country.

A car plant run in partnership with Sollers near St. Petersburg will eliminate about 700 positions as it drops a work shift in June. Another 250 temporary personnel will be let go at a Ford-Sollers site in the country's Tatarstan region.

The St. Petersburg plant, which builds the Focus compact and the mid-sized Mondeo sedan, will also halt manufacturing for more than four weeks until single-shift operation begins at the paint shop and final assembly hall on June 9, Ford said.

Ford declined to comment on how much production will be reduced by the moves.

Ford's sales in Russia this year through February fell 21 percent to 10,556 vehicles, according to the automaker.

The company plans to add production of the EcoSport SUV at a third Russian factory run by the Sollers venture later this year.

The Russian auto market was declining even before the country's annexation of the Crimean peninsula and massing of troops on Ukraine's borders drew international economic sanctions.

Car deliveries fell 4 percent in January and February, following a 6 percent drop in 2013 to 2.78 million vehicles.

"Ford Sollers remains absolutely committed to the Russian market and is confident it has the right product plan, people and assets to deliver long-term profitable growth," the carmaker said in a statement.

Work force and production cuts were caused by "the rapid and significant depreciation of the ruble, falling industry sales and a consumer shift away" from compact models in favor of SUVs, Ford said.

The ruble has lost 13 percent of its value against the dollar in the last 12 months, and it was the second-worst-performing major emerging-market currency in the quarter ended Monday.

The drop prompted Renault, which controls Russia's market-leading Lada brand, to raise prices by about 3 percent in both January and March, Oxana Nazarova, a spokeswoman at the company, said last month.

Accenture said last week that Russia's dispute with Ukraine is causing "uncertainty in the marketplace.

Not all companies are spooked. Daimler is examining whether to build Mercedes-Benz cars in Russia as part of a plan to widen the automaker's global production capacity and assemble more vehicles near the markets where they're purchased.

Source: www.autonews.com (02-Apr-2014)