

Welcome

from Dr S.Y. Poon, CEO and Founder...

2009 has been an eventful and successful year for Romax, with award wins, office openings and partnerships a plenty. We've established a solid foundation for expansion in 2010 and have set the wheels in motion. With the appointment of our New Chief Operating Officer, 2010 looks set to be an exciting year as we drive forward our company growth plans not only within our core business streams but also within new sectors including the renewable and low carbon industries.

We hope you enjoy reading our first newsletter this year and we look forward to seeing you at some of the events we'll be attending throughout the year.

Romax Wins UKTI East Midlands International Business of the Year Award

Romax Technology was named the East Midlands International Business of the Year in November 2009 at the fourth annual UKTI East Midlands International Business Awards. We also received the Established Exporter China Award at the ceremony, and were runner up in the Established Exporter Worldwide Award.

The awards celebrate the achievements and successes of all the East Midlands companies who are trading internationally and who are making a real difference to the prosperity of the region. These East Midlands companies embrace the challenge of competing internationally, of remaining resilient in tough and demanding trading conditions and of achieving growth and long term sustainability. The East Midlands International Business of the Year winner is recognised as an ambassador for the region's industry, innovation and expertise.

With offices spanning Europe, South Korea, India, the USA, Japan and China, we recognize the need for a strategic approach for each international market. A key element of this is the need for a high level of customer support throughout the business relationship

Dr. Peter Poon, Romax Chief

Executive said, "These awards acknowledge how the nominees have demonstrated an innovative and strategic approach that enables them to enter the markets and how they have adapted products and services to meet local and cultural needs. I believe this sums up perfectly the way in which we grown our business. We have entered new territories and ensured that we have adapted to meet the demands of the local market.

"Winning the Established Exporter award in China is a great achievement for us. The last twelve months have seen a huge demand for our products and services especially in China. However, to be chosen by the UKTI judging panel to receive the International Business of the Year Award was remarkable and we are immensely proud to receive this recognition," concluded Dr Poon.



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What's on?

EWEA 2010

20-23 April, Warsaw, Poland
Booth 4268, Hall 4

JSAE 2010

19-21 May, Yokohama, Japan
Pod 5, UK Pavilion

Serving over **130** customers in the automotive, hybrid, wind energy, aerospace, off-road, marine & rail industries

1st in the World 

10 OFFICES WORLDWIDE 

Romax TECHNOLOGY 

Romax Technology Appoints Chief Operating Officer to Drive Company Growth

Romax Technology has recently appointed a Chief Operating Officer as the company aims to drive growth even further during 2010. Graeme Walford, formerly of GKN Driveline, the largest driveline company in the world, has taken on the role where he hopes to put his experience and knowledge to good use.

No stranger to the world of transmission design, Graeme, a Mechanical Engineering graduate from Loughborough University, started out with Rolls Royce in this very area. After seven years with the iconic British marque, Graeme then went on to work for an automotive consultancy company, MascoTech, as Engineering Director. The company, based in Germany, provided automotive consultancy to worldwide OEMs and were responsible for the Ka programme on behalf of Ford Motor Company. During Graeme's time with MascoTech, they grew to

be the largest automotive consultancy in Europe with a turnover of £40 m. He then went on to head up the US arm of the business in Detroit.

In 1999 Graeme joined GKN Driveline, manufacturers of driveline products and a key supplier to all the major worldwide vehicle OEMs, where he was responsible for managing engineering projects and new product development for all global customers. With this experience, Graeme was then tasked with setting up a new business unit, GKN Torque Technology, which looked at new product development including power transfer units and hypoid gear products. This area of GKN's portfolio grew rapidly and generated a £300 million yearly turnover.

Romax, which has a true foundation of intellect and competence, along with its world leading software, is still a relatively small company. Graeme,

who joined Romax at the beginning of 2010, will be supporting Chief Executive, Dr Poon, with his future ambitions for the company.

"There are tremendous opportunities for Romax, not only within its core business streams, automotive and wind energy, but in many other new areas," explained Graeme. "I hope that through the experience and knowledge I have gained throughout my career I can help Romax in the next phase of their development, maintaining leadership throughout their core business, but also spreading expertise into new areas, which I believe is the next big step for Romax in the future."



Burke E. Porter Machinery and Romax Technology Form Partnership to Advance Wind Turbine Drivetrain Test Offerings

Burke E. Porter Machinery and Romax have joined forces to advance utility scale wind turbine test offerings. The collaborative agreement will focus on the development of gearbox and drivetrain test stands for current and next generation wind turbines.

With 50 years experience in the global supply of advanced electrical, mechanical and software test solutions for the world's major automakers, auto suppliers, universities, and government institutions, BEP is well positioned to tackle the challenges of wind turbine testing.

The Michigan based company has already migrated its expertise to large scale R&D, validation, and highly accelerated life cycle testing (HALT) dynamometer systems for the wind industry and is currently building a multi-megawatt wind turbine gearbox test stand.

With Romax's expertise in all aspects of wind turbine engineering Romax and BEP are perfect partners for the future of wind energy generation.

The wind industry is beginning to acknowledge that the effective deployment of the new generation of multi-megawatt machines requires a new approach to design, testing and certification. The development of testing facilities, expertise and effective testing methodology is crucial for wind turbines to meet demands for increased reliability and reduced costs of energy.

Both BEP and Romax recognize this need and it is anticipated that their collaboration will help transform how wind turbines are tested and certified.

David DeBoer, President of Burke E. Porter Machinery, stated, "The expertise and technology collaboration between a drivetrain design firm such as

Romax and a drivetrain test system firm such as Burke E. Porter Machinery is expected to significantly advance the value-add to our customers, and ensure our products are at the forefront of the wind industry's requirements."

"We are delighted to form this collaborative partnership with reputable test systems manufacturer Burke E. Porter," said Andy Poon, Director of Renewable Energy at Romax Technology. "Our aim is to utilise both companies' unique expertise in the holistic development of drivetrains, testing methods and test equipment; which we hope will rapidly advance the quality and reliability of the utility scale wind turbine market worldwide."



Out and About – Romax Events Plans for 2010 – 2011

Romax actively participate in a number of events spanning many industries every year, allowing us to interact with customers and network amongst the engineering community and academic institutions.

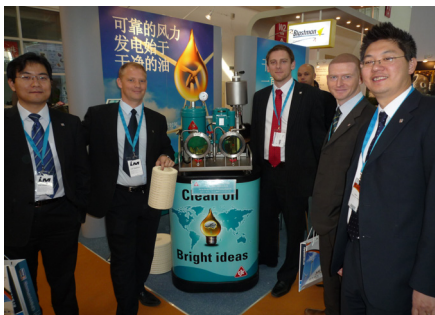
Each year we are involved in many of the major wind and transport events across the globe; sharing our expertise in technical sessions, and exhibiting and interacting with new and existing customers. But where will we be in 2010? Read below to find out!

EWEC, 20-23 April 2010, Warsaw, Poland. Booth 4268, Hall 4

Europe's premier wind energy event will underline the contribution wind can make to tackling climate change, improving security of energy supply, creating jobs and delivering a more prosperous and sustainable future for Europe. Romax will present 3 posters, the first *An assessment of alternative wind turbine gearbox and drivetrain mounting methods* will be presented together with ESM. The other two posters to be presented by Dr Ashley Crowther are *A six sigma design approach to predictions of wind turbine gearbox vibration* and *The influence of carrier bearing tolerances on planet gear and bearing alignment under side load and rotor weight*.

SAE International Symposium on Transmission Innovation & China Industrialization, 23-24 April, Beijing, China

This key SAE event will address important topics concerning the transmission industry in China including the design, development, manufacturing and application of various types of transmissions and



hybrid and electric transmissions. Our presentation is titled *'How to benchmark and design hybrid drivelines'*. Experts from our China transport team will be available for discussions on our stand in the exhibition area.

The 4th China International Wind Energy Exhibition (CWEE2010), 27-29 April, Shanghai, China

With over 300 national and international companies expected to attend, CWEE is expected to be a great success once again. The event will look to cover the latest technical and commercial developments in China, and Romax will have a large booth and hold technical seminars prior to the event.

Japanese Society of Automotive Engineers Annual Conference, 19-21 May, Yokohama, Japan. Booth 5, UK Pavilion

Visit us on the *UK pavilion*, organised by the Department for Business Innovation and Skills [BIS]. We'll present our *low carbon technical expertise and hybrid and efficiency consultancy* live on the stand each day. Our Japanese office will be providing the latest software demonstrations including our new version of



RomaxDesigner, so if you'd like to speak with a technical expert visit Romax the UK pavilion.

India's Mechanical Power Transmissions & Drive Systems, 20-22 May, Mumbai, India.

This expo is devoted exclusively to transmission technology – Romax's forte! We'll showcase the latest R&D and developments in gear technology including reliability and performance. To speak with one of our experts visit our booth or look out for our presentation in the seminar sessions.

Windpower 2010 Conference & Exhibition, 23-26 May, Dallas, Texas. Booth 4313

WINDPOWER 2010 Conference & Exhibition is the largest annual wind conference and exhibition in the world and last year saw over 23,000 attendees and 1,280 exhibitors. Romax will have a large booth and will deliver a scientific podium presentation called "Sources of time-varying contact stress and misalignment in wind turbine planetary sets".

Husum WindEnergy, 20-25 September, Husum, Germany.

For the last 20 years HUSUM WindEnergy has proven to be a very successful event. Romax will attend with a 25m² stand which will showcase our latest offerings.

Expansion in China Continues: Romax Opens New Offices in Beijing and Chongqing

As a result of the success Romax has realised in China over the last year, particularly within the wind energy market, we have recently expanded by opening new offices in Beijing and Chongqing.

The first Romax Chinese subsidiary opened at the end of 2008 as a result of the success we had realised in China. Since then, we have grown further and are pleased to announce the opening of two new offices in Beijing and Chongqing.

Nurturing relationships with our key customers in China is extremely important to Romax and the opening of our new offices in Beijing and Chongqing shows our commitment to China and to our customers.

Both offices will serve to offer direct support to customers with ongoing projects in both the transportation



and wind energy industries in China. As we are involved in many areas of the design process from concept design to initial testing, this requires that we provide fast response and local in depth support. Our new

offices will further enable and facilitate this for our new and existing customers.

Our recent success in China includes signing a deal in 2009 with China's largest gearbox manufacturer, Chongqing Tsingshan Industrial Co Ltd, and developing China's first 3MW wind turbine gearbox, in collaboration with Dalian Huarui.

"The opening of our new offices and our continued growth within China we hope will contribute to China's rapidly expanding energy industry as well as support the growth of a developing country," concluded Dr Peter Poon, CEO and Founder.

Romax Partner with the Automotive Research Association of India for Development of Automotive Gearbox Technology

Romax Technology is pleased to announce its collaboration with the Automotive Research Association of India (ARAI). The partnership will focus on the development and active promotion of automotive gearbox technology to the Indian engineering market.

Romax and ARAI will organise regular technical seminars aimed at educating and informing Indian engineers in automotive OEMs, gearbox manufacturers and academia as well as ARAI members.

The first joint two day technology transfer seminar took place on 15 and 16 September in Pune, India,

hosted by the ARAI Academy. The seminar was aimed at promoting a greater understanding of automotive transmissions, including design layout, its performance relating to gear ratio selection and gear geometry. Romax's Chief Engineer Mr Barry James, delivered presentations on a wide range of technical areas including trends in automotive transmissions, gear ratio selection and requirements for the design process and methods required for hybrid drivelines.

The second seminar in this series recently took place on 15 to 17 February. This time Romax delivered presentations on

synchroniser design, testing and problem resolution, gear geometry, gear design for low noise, and gear design for efficiency and scuffing. The second seminar was very well received by academy engineers.

The third seminar in this series has been organised for 18 to 20 August 2010, at the ARAI Academy and will focus on bearing technology from Romax. For more information please visit www.romaxtech.com/romax-seminars or www.araiindia.com



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