

INTERNATIONAL BULLETIN

May 2014

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Editorial

David Croxson

Head of International, SMMT



Is it time to go international with our innovation? If it takes great brains then I really can't say!

Many of you will be aware that in accordance with the label on the proverbial tin, the International team at SMMT contains a truly international mix. My team members include Pat from Mexico, Ruta from Lithuania and Sarah from France, while I am from Great Britain. This can produce a wonderful opportunity for us all to learn from one another's cultures and to see the world from a different national perspective.

Intriguingly, one of our regular International Bulletin readers recently wrote to me following my April editorial to suggest that in retirement I should publish my anecdotal memoirs saying: "I'm sure that they would be a big success for promoting "Britishness" as a lifestyle, and with *Daily Telegraph* and *Times* readers who would recognise many of your sentiments."

However, as Head of the SMMT International team and with the automotive sector being such a globally diverse industry, while it was very kind of the reader to take the time to write, it got me thinking – perhaps it's time for me to moderate my editorial prose and recognise that as Head of the department and in line with my team's different outlook, it is time for me to display a less British and more *international* perspective. After all, as I am always invoking you exporters - its international time!

My international understanding was particularly "enlightened" during a recent interlude in the office with one of my team stating that the Roman Empire was greater than the British Empire, (she will remain anonymous of course. I shall not even reveal her *nom de plume*) but I really did not know what to say, I was quite lost for words!

As a purely historical note it is timely that I mention here, perhaps, that in the 11th century, when the Normans invaded peace-loving England (there are, you know, still 22 countries at least that Britain has never fought in), only French and Latin was spoken by rulers and clergy. The English yeomanry, however, hung on to their language and, although for a hundred years or more books were not written in English, the English still insisted on speaking English. Of course, as true internationalists over the years we have absorbed Latin and Greek words and added them to English words with others from Norman French, Old German and Old Norse and together they have made English richer, more subtle, more precise; both practical and poetic.

This is surely one of the British people's greatest achievements, first saving our language from foreign competition, and then letting it grow freely, open to global competition as it were, with the people deciding which words they chose to use and keep and which words they'd lose.

That also, perhaps, is a metaphor for how we should regard international trade, it should be allowed to develop largely unfettered by government's intervention.

In the intervening years we have invented and added a million new English words, including half a million technical and scientific terms. Meanwhile, German now has about 185,000 words and French has fewer than 100,000 (perhaps explaining their being at a complete loss for words when meeting me!)

An idle thought for you to ponder mid text - if our forebears had been able to patent the English language— might we now simply be offering users an annual licence fee renewal and living happily ever after from the royalties like Bill Gates and Microsoft?

But I digress. I was of course quite unable to counter my colleague's very persuasive argument although it did at times remind me of Monty Python's *Life of Brian* sketch – “*What have the Romans ever done for us?*”

I therefore list at the back of this month's IB a handy reference of key world innovations - one or two inventions and discoveries that surprisingly did not come from Rome. Though quite how they came about is not altogether clear (particularly if you are not British). I might also have referred my colleague to the current ITV series “*I Never Knew That About Britain*”, but she unfortunately does not choose to have the benefit of that surely indisputably British invention, a television set. Besides, I reminded myself, it was indeed time for me to change my ways.

But while talking of time, it is only appropriate that I remind readers, *en passant*, that it was Britain that created the concept of Greenwich Mean Time (GMT) or, as we internationalists correctly refer to it - UTC.

Greenwich Mean Time (GMT) as many will know, is a term originally referring to mean solar time at the Royal Observatory, Greenwich, where a system was first developed in around 1850 for tracking time based on the rotation of the Earth. The 1884 Washington conference established Greenwich Mean Time (GMT) as the international reference point, and it was used throughout the world without demur and for over a hundred years until 1970.

In 1970, however, a Coordinated Universal Time system was devised by an international advisory group of technical experts within the International Telecommunication Union (ITU) based on the International Atomic Time (an accurate atomic clock, incidentally, is another British invention) with leap seconds added at irregular intervals to compensate for the Earth's slowing rotation – so much better than GMT don't you find?.

Strictly speaking though, UTC is not a time zone but an atomic time scale which only approximates GMT in the old sense. ITU, in its wisdom, felt it would be best international practice to designate a single abbreviation for use in all languages in order to minimize confusion.

Unfortunately, unanimous international agreement could not be reached on using the English word order, CUT (Coordinated Universal Time) possibly because the French wanted their word order, TUC (Temps Universel Coordonné)! So, in the spirit of true international compromise, the internationally contrived acronym UTC was finally agreed!

In casual use, of course, for us world travellers Greenwich Mean Time (GMT) is the same as UTC but at least UTC has the important benefit of maintaining *l'entente cordiale* and hopefully this internationally balanced editorial has similar effect.

So before I end, and since it is time my International team colleagues tell me to be less focussed on Britain, here are some international time facts for other nations, which may be of interest on your global travels or at least for future pub quizzes:

- Although Russia is geographically spread over 12 time zones, it officially observes only nine.
- As Japan is located to the east of Vladivostok (southern part of Russian Far East) one would assume that its timezone would be either similar or ahead of Vladivostok time but it isn't. Japan time is two hours behind Vladivostok.
- China observes one single time zone UTC/GMT + 08:00 - which makes it uncommonly wide. In the extreme western part of China the sun is at its highest point at 15:00, in the extreme eastern part at 11:00.
- Brazil sets its summer time by decree every year while some other countries observe summer time on a year-to-year basis.
- Some countries use different rules to start and end DST (Daylight Saving Time). For example, a law in Israel requires that summer must last at least 150 days.
- Antarctica uses New Zealand's time zone +12:00 during local winter and +13:00 during local summer (which is winter in the northern hemisphere), except for certain international ice stations facing nearer land masses such as Chile, who then adopt the nearest major land mass time zone.
- India straddles two time zones, but prefers to have one uniform time throughout the country. Rather than choose between GMT+05:00 and GMT+06:00 the government simply decided to split the difference.

And finally –

- The International Space Station uses GMT – sorry I mean UTC!

Au revoir mes amis! (et bientôt à la retraite)

Key Dates

SMMT International Group Meetings 2014

Customs & Tariffs Working Group Meetings

Wednesday 18 June 2014 at 12:30

Wednesday 17 September 2014

Wednesday 17 December 2014

International Business Group

Thursday 15 May

Thursday 27 November

SMMT supported International events

Book Now!



SMMT supported event *UKTI grants of £2,500*

Automechanika PAACE Mexico

Mexico City, 16 – 18 July 2014

Contact: Pat Shaw | **E-mail** pshaw@smmt.co.uk | **Tel:** 020 7344 9260

Automechanika PAACE Mexico is the top trade show for the automotive aftermarket industry in Latin America, featuring more than 500 exhibitors from several countries. It is a meeting point for industry professionals seeking new suppliers, sharing information about the latest technology and analyzing product options.

SMMT has negotiated a preferential shell scheme package for a UK exhibitor group. As additional benefits for the UK group, SMMT will be providing an exclusive meeting area, with complimentary refreshment facilities, and organising a British networking event during the show. UKTI exhibitor grants of up to **£2,500** will be available for qualifying companies.

**SMMT supported event *UKTI grants of £3,000 available*****Automechanika MIMS, Moscow
Moscow, Russia, 25-28 August 2014****Contact:** Ruta Aisthorpe E-mail: raisthorpe@smmt.co.uk Tel: 020 7344 9231

SMMT is once again organising a UK exhibitor group to Russia's leading Automotive Trade Fair, covering all sections of the industry. UKTI TAP grants are available and are enhanced for first time exhibitors to £3000.

**SMMT supported event****Automechanika Frankfurt - E-Mobility Exhibition *UKTI grants £1,500 available*
Frankfurt, 16 – 20 September 2014****Contact:** Pat Shaw | E-mail pshaw@smmt.co.uk | Tel: 020 7344 9260

Automechanika Frankfurt 2014 Exhibition is one of the world's leading trade fairs for the Automotive Industry.

Automechanika is creating a new section in hall 10, which is completely dedicated to "Tomorrow's Mobility – new energy vehicles and technologies".

SMMT has negotiated an enhanced shell scheme of nine square metres for companies that are interested in promoting their low carbon business internationally at the Automechanika Frankfurt 2014. Exhibitors will benefit from the substantial visitor flows associated with Automechanika, the high profile UK networking event that is the future of the show, and support from the Messed Frankfurt media centre in presenting their products and expertise to the global automotive press. UKTI TAP exhibitor grants of £1,500.00 are available for eligible companies. For further information, please contact Pat Shaw as above.

**SMMT supported event****South African Automotive Week *UKTI grants of £2,500*
Johannesburg, 13 – 17 October 2014****Contact:** Pat Shaw | E-mail pshaw@smmt.co.uk | Tel: 020 7344 9260

South African Automotive Week (SAAW) is the continent's biggest automotive event, and a recognised meeting place for local business leaders and policy makers. The exhibition attracts a wide spectrum of automotive companies,

SMMT has put together an attractive package that will enable UK companies to exhibit at SAAW and also participate in a range of related promotional activities.

Benefits include a fully-fitted and furnished nine square metre stand in a prominent location within the exhibition hall, participation in a bespoke one-to-one meeting programme arranged by the show organisers and the opportunity to join relevant site visits. You will also be given support in profiling your company through local industry newsletters and websites, complimentary gala dinner tickets and the chance to invite guests and potential customers to the UK networking reception.

UKTI TAP exhibitor **grants of £2,500** are available for eligible companies



SMMT supported event

Engine Expo, Novi, USA *UKTI grants of up to £2,000*

Michigan, 28 – 30 October 2014

Contact: Pat Shaw | **E-mail** pshaw@smmt.co.uk | **Tel:** 020 7344 9260

Engine Expo, Novi, along with the co-located Testing Expo, is North America's dedicated international trade fair for automotive engine and power train components, systems, materials, design, services, EV/HEV technology, tooling, manufacturing systems, advanced propulsion concepts and complete engines. It is an effective forum to meet key engineers and decision makers from power train teams at OEM car, bus, and truck companies, and an excellent way to connect with Detroit-based vehicle manufacturers on their own doorstep.

For the 2014 edition of Engine Expo, SMMT is considering the creation of a high-profile UK pavilion, incorporating individual exhibitor stands and a communal refreshment and hospitality area. A **£2,000 UKTI grant** is available to eligible companies.

Whether you are already a regular participant in Engine Expo, or are considering exhibiting in Novi for the first time, we would like to hear from you.



SMMT supported event

Mission to Brazil

End of November 2014

Contact: Pat Shaw | **E-mail** pshaw@smmt.co.uk | **Tel:** 020 7344 9260

Business visit to coincide with the Brazilian F1 GP, in Sao Paulo. This will be a group OMIS, to include visits to OEMs, universities, technology parks. The focus will be on low carbon technologies, vehicle efficiency and composites, to meet INOVAR AUTO requirements.



SMMT supported event

Automechanika Shanghai

9-12 December 2014

Contact: Sarah Thevenet | E-mail sthevenet@smt.co.uk | Tel: 020 7344 9233

Following the increased interest from UK participants over the last two years, and the growing interest in the show from both exhibitors and visitors, SMMT will again organise a UK Pavilion at Automechanika Shanghai 2014.

Last chance to book – only 2 spaces left!

UKTI grants of up to £2,500



SMMT supported event

SIAT, India

Symposium on International Automotive Technology

21-24 January 2015

Contact: Sarah Thevenet | E-mail sthevenet@smt.co.uk | Tel: 020 7344 9233

SIAT is a benchmark event and is an important forum for presenting the achievements and innovative strengths of the automotive industry. SMMT is working with UKTI to take a group of UK Companies to exhibit at SIAT 2015.

UKTI GRANTS of up to £2,500



SMMT supported event

ACMA Automechanika New Delhi

26 Feb – 1 March 2015

Contact: Sarah Thevenet | E-mail sthevenet@smt.co.uk | Tel: 020 7344 9233

Following our successful participation at ACMA Automechanika New Delhi, and positive feedback from UK participants, SMMT will again organise a UK Pavilion to the show, which is set to grow in 2015.

UKTI GRANTS of up to £2,500

Partner International events held abroad

UKTI

UKTI runs a range of events for exporters, including seminars in the UK, trade missions to overseas markets and support for attendance at overseas trade shows. Following a government wide move to have a single customer facing website, information on the UKTI website has been transferred to www.gov.uk. This link will take you to the Tradeshow Access Programme (TAP) page on gov.uk <https://www.gov.uk/tradeshow-access-programme>.

Events

Hungarian F1 Grand Prix weekend

Budapest, Hungary

24-27 July 2014

The opportunity exists for UK companies in the automotive and advanced engineering industries to develop new Central Eastern European markets.

Between 24 and 27 July, around the Hungarian F1 Grand Prix weekend, British Embassy in Budapest will organize a small targeted event to introduce British firms in those sectors to the Central European market – and arrange meetings with potential clients and partners from the fastest growing part of the EU. Specifically focusing on prototyping, composite material manufacturing and engineering services, targeting the tier 1 to tier 4 suppliers of OEMs in the region.

The event will involve a workshop in the centre of Budapest at which UK companies will be introduced to the market – giving an over-view of the opportunity. The bespoke introductions will be arranged to local companies and potential buyers or partners. There will be hand-picked businesses in Budapest from across Central Europe including Poland, Czech Republic, Hungary, Slovakia, Romania, Slovenia and Austria to meet the UK delegation. And, this being a GP weekend, there will be a good portion of F1 personalities and some kit.

Contact: British Embassy, UK Trade & Investment , 36 30 979 4688 E-mail: david.nagy@fco.gov.uk

LCCI Trade Mission

Nigeria and Ghana, West Africa

May 2014 (dates TBC)

Following the successful mission in May 2013, UK companies are advised to discover first-hand the opportunities in these West African countries. Opportunities for UK companies exist in agriculture, education and training, construction, healthcare, telecommunications, transport, infrastructure, energy, oil and gas, mining and mineral processing, and aid-funded business.

Contact: sleader@londonchamber.co.uk, London Chamber of Commerce and Industry, 33 Queen Street, London EC4R 1AP

SUBCON Thailand

Thailand

15-17 May 2014

The Board of Investment (BOI) Thailand is inviting interested UK companies to visit SUBCON Thailand, the country's leading industrial subcontracting exhibition (<http://www.subconthailand.com/>). The BOI is offering incentives to interested UK companies, including hotel accommodation and local transportation support and fringe program specially designed for buyers who are sourcing for parts and components in Thailand or looking for business partners.

Contact: Souchitra Sassady-Abhay, +33 1 56 90 26 01, par@boi.go.th

The Global TransporTech (GTT) Expo Korea 29-30 May 2014

Kotra London Office is offering the following incentives to eligible UK companies interested to visit the show (<http://www.gtt.or.kr/eng/main.asp>):

- Up to 100% of Economy Class return airfares between your local airport to South Korea.
- Hotel accommodation including breakfast.
- One-to-one meeting arrangement with Korean businesses.
- Free interpreter service.
- Welcome reception with global companies and participants.

Contact: Julia Ho, 020 7520 5313, juliaoh@kotra.co.uk

UK-Dubai Business Centre accepting applications

As part of the UKTI & BCC 'OBN' initiative, UKTI is very pleased to advise that it has taken a big step forward in Dubai with the finalisation of the model, costs and structure for the business centre. It is now accepting applications from British SMEs.

UK firms will be incubated with UKTI for up to 12 months while they develop their long-term commercial & corporate plans in the region. During this time, they will have their own trade licence and be able to transact & contract under a unique structure we have developed with Dubai government specifically for this initiative.

Contact: bbcadmin@bbgdxb.com

Complying with USA Export Controls AND THE Export Control Reforms Seminar Detroit, USA 13 – 15 May

The US Export Controls Seminar is a three-day workshop designed for all levels of expertise on export control issues. This will be the only BIS seminar offered in the Midwest in 2014. The programme will cover USA government export controls (export administration regulations). For further information or to register go to <http://tinyurl.com/emdec2014bis>

Other International events in UK

USA Lawyer

American specialist business lawyer Thomas Thorelli is visiting SMMT on 1 and 2 May, and is happy to meet any members who require advice on doing business in the USA. If you wish to book an appointment for that day please contact Pat Shaw: pshaw@smmt.co.uk.

The International Trade Expo

The International Trade Expo - 10-11 June - is part of the [International Festival for Business 2014](#), an ambitious programme of business events running throughout June and July in Liverpool. It will offer insight and solutions that will enable Expo attendees to understand how they can start or grow their businesses internationally. For further information contact Alex Shea: alex@freshlymadecontent.com

Training Courses

The Institute of Export

The Institute of Export is the only professional body in the UK offering accredited training courses in export, import and International Trade.

With the growing need for companies to invest in expanding into international markets, it offers courses to suit whatever level of knowledge you require, whether you are completely new to international trade or just wish to update your knowledge and skills with the latest information.

Their import and export courses cover every area of international trade from an essential introduction through to international marketing, online trading and financial and legal issues.

Read our [top 10 reasons](#) you should be investing in export training:

[Starter Courses](#) [Intermediate Courses](#) [Management Courses](#)

Global News Round-up

Extracts from some recent news sources, copyright acknowledged

ARGENTINA: Argentina and Mexico agree to boost trade

LATINTalk, April 2014

Source: [La Prensa](#) - GAI

Mexican Economy Secretary Ildefonso Guajardo and Argentine Industry Ministry Debora Giorgi have agreed to promote bilateral trade, especially in the automotive industry. The agreement was reached during the visit that an Argentine delegation made to Mexico City last month, officials said.

The officials discussed the automotive industry, in which trade is regulated by Economic Complementation Agreement, or ACE, 55, under the Latin American Integration Association, or ALADI.

The officials made a commitment to "improve efforts to move the integration process forward in both industries, especially in the auto parts sector, promoting mutual investment in said sector," the secretariat said.

Mexico and Argentina reached a trade agreement covering the automotive industry in 2012 that allowed them to resolve differences over quotas.

BRAZIL: Brazil to Simplify Importing During Global Events

LATINTalk, April 2014

Source: *The Rio Times* - **GAI**

Goods shipped in for the World Cup and Olympic Games will be given contractual temporary entry. The Brazilian Federal Reserve has introduced a solution for the temporary entry of goods for the FIFA World Cup in June and the 2016 Olympics. Items entering the country needed for international sporting events such as production equipment and sporting gear will now have a simplified import admission system that will allow companies to forgo import taxes and ultimately save time.

Under the new rule, goods will go through a warehouse customs procedure and be admitted only for the duration of the specific events. This system will remain in place for future major exhibitions, fairs, and conferences.

CHINA: Siemens, BAIC to jointly build parts for green vehicles in China

23 April 2014, *Automotive News China*

German industrial company Siemens and state-owned Chinese automaker Beijing Automotive Industry Holding will form a joint venture to produce motors and inverters for hybrid and full-electric vehicles.

CHINA: Toyota adds local hybrid capacity

23 April 2014, by Tony Lewis, *Just-auto.com*

Toyota will start to source hybrid components in China for its locally-produced Corolla and Levin models from next year rather than import them from Japan.

CHINA: Harman adds R&D

23 April 2014, by Tony Pugliese, *Just-auto.com*

US infotainment supplier Harman is stepping up its expansion into mainland China with the establishment of a global R&D centre in the city of Suzhou as well a joint laboratory for automotive innovations with Tsinghua University.

CHINA: “Tesla wants to build locally” - Musk

23 April 2014, by Tony Lewis, *Just-auto.com*

Electric car company Tesla wants to add manufacturing in China within the next three to four years, CEO Elon Musk told reporters in Beijing without elaborating.

CHINA: Geely future model plans revealed

22 April 2014, *Glenn Brooks, Just-Auto.com*

A document listing details of Geely Auto future models has been published on the firm's website. It also shows an imminent, dramatic cull of existing cars. It should take some time for the firm's domestic market model range to be whittled down, but clearly, a long overdue process has finally begun.

CHINA: Jaguar Land Rover to start China production at the end of this year

20 April 2014, *Automotive news Europe*

Jaguar Land Rover plans to start building vehicles in China by the end of this year. The company will begin selling a Land Rover SUV built by its Chinese venture with Chery Automobile in Changshu, by early 2015. The plant will have an initial annual production capacity of 130,000 vehicles.

CHINA: VW signals it will outsell GM in China for second straight year

19 April 2014, *Automotive news Europe*

Volkswagen forecast its sales in China will increase 10 percent or more in 2014, signaling that the company will outsell General Motors in the world's biggest auto market for a second-consecutive year.

MALAYSIA: Sales up 2% in March

22 April 2014, by *Tony Pugliese, Just-auto.com*

New vehicle sales in Malaysia increased by 2.3% to 58,919 units in March, from 57,622 units in the same month of last year, according to data released by the Malaysian Automotive Association (MAA).

MEXICO: Free trade, lower wages drive Mexico's automaking boom

LATINTalk, April 2014

Source: *Detroit Free Press* – **GAI**

Mexico is winning thousands of new auto jobs by offering a compelling combination of lower labour costs, a mature supply base and access to transportation that makes it easy to export vehicles to the U.S., South America and Europe.

Twenty years after U.S. President Bill Clinton signed the North American Free Trade Agreement, Honda and Mazda opened two assembly plants in Mexico in less than a week. The factories, in the central Mexican cities of Celaya and Salamanca, represent an investment of more than \$2 billion. Between 2013 and 2015, Honda, Mazda, Nissan, Chrysler and Volkswagen automakers will invest \$6.8 billion in Mexico, according to Free Press research.

In addition to NAFTA, Mexico has 10 other free trade agreements covering 43 countries, according to ProMexico, an economic development arm of the Mexican government.

SOUTH KOREA: Hyundai steps up green car programme

22 April 2014, by *Tony Pugliese, Just-auto.com*

Hyundai Motor said it plans to target a greater share of the rapidly expanding market for low and zero emission vehicles, following the launch of the fuel cell electric Tucson SUV last week.

USA: Ford starts Transit van build at Kansas City

1 May 2014 by *Graeme Roberts, Just-auto.com*

US\$1.1bn spend and the creation of 2,000 jobs, Ford's Kansas City Assembly Plant has begun Transit van production, heralding the eventual end of the long-running domestic E-series line.

The full size van line goes on sale in the summer aimed at tradespeople and businesses with increased capability and new configurations compared to its predecessor.

It's the latest One Ford model for global sale, using common platforms. Variants including the smaller Tourneo/Connect variants are built in other plants in Turkey and Spain and by joint ventures with Sollers in Russia and Jiangling in China.

USA: Ford's Mulally hands reins to Fields on 1 July

1 May 2014 by Graeme Roberts, *Just-auto.com*

Alan Mulally, who has been president and CEO since September 2006, will hand the reins to groomed successor, COO Mark Fields, from 1 July. Mark Fields was named COO in December 2012 after previously heading the automaker's Americas region. He will also join Ford's board of directors.

International Market Reviews

AFRICA

Official languages in Africa







	Afrikaans
	Arabic
	English
	French
	Portuguese
	Spanish
	Swahili
	Other African languages



TABLE: BMI BUSINESS AND OPERATION RISK RATINGS FOR AFRICAN COUNTRIES

	Infrastructure Rating	Institutions Rating	Market Orientation Rating	Business Environment
Angola	22.4	19.2	23.3	21.6
Benin	20.1	30.2	27.9	26.1
Botswana	28.5	49.1	48.4	42.0
Burkina Faso	30.4	36.1	31.1	32.5
Cameroon	24.0	23.2	31.7	26.3

TABLE: BMI BUSINESS AND OPERATION RISK RATINGS FOR AFRICAN COUNTRIES

	Infrastructure Rating	Institutions Rating	Market Orientation Rating	Business Environment
Cape Verde	37.7	52.0	34.0	41.2
Chad	19.8	11.8	26.4	19.3
Congo	24.8	27.0	25.6	25.8
Côte d'Ivoire	22.0	21.1	29.4	24.2
Equat'l Guinea	18.1	32.4	22.7	24.4
Ethiopia	18.6	41.3	23.7	27.9
Gabon	28.0	27.0	34.2	29.7
Ghana	36.7	53.0	42.5	44.0
Guinea	31.4	29.9	19.7	27.0
Kenya	37.6	37.1	42.9	39.2
Mali	26.3	35.1	23.8	28.4
Mauritania	24.7	49.3	36.6	36.9
Mozambique	19.7	28.2	37.9	28.6
Namibia	31.0	55.1	37.4	41.2
Niger	22.4	27.7	18.1	22.7
Nigeria	39.2	36.1	38.8	38.0
Senegal	28.5	40.6	28.4	32.5
South Africa	44.5	61.3	58.3	54.7
Sudan	24.6	26.6	25.1	25.4
Tanzania	28.0	41.5	31.1	33.5
Togo	19.6	22.9	27.9	23.4
Uganda	37.8	33.5	39.6	37.0
Zambia	28.4	40.1	45.4	37.9
Zimbabwe	29.3	26.9	22.1	26.1

Scores out of 100, with 100 representing the best score available for each indicator. Source: BMI, <http://www.businessmonitor.com/country-risk/africa>

CENTRAL EASTERN EUROPE



10 reasons why CEE is great for British business

1. The region's combined GDP is £1 trillion.
2. There are more than 100 million people in the region, almost twice as many as the UK.
3. CEE is only two to three hours away and is serviced by a large number of budget airlines, ideal for small and medium-size businesses on tight budgets.
4. Average annual growth across CEE has been 2.6% over the last five years, compared with 0.5% for the Eurozone and 0.2% for the UK.
5. There are low levels of public debt in CEE (still below 50%, compared with a Eurozone average close to 90%) will help ensure economic stability, resulting in long term sustainable growth.
6. The region is about to benefit from £125 billion in EU funding between 2014 and 2020.
7. There are highly educated workforces across CEE: Tertiary education is even more popular amongst Eastern Europeans than Western Europe.
8. Strong English language competency across the region, which makes a big difference for most British companies.
9. The British brand is well liked and respected.
10. There is a strong demand from local distributors for innovative, value-added British products

UKTI International Business Opportunities

To receive immediate UKTI Business Opportunity service notifications register at: <http://www.businessopportunities.ukti.gov.uk/home.html?guid=None>

China–British advance gearbox manufacturing technology sought by manufacturer
<http://www.businessopportunities.ukti.gov.uk/ukthome/businessopportunity/752400.html>

A transmission manufacturer in Dalian would like to introduce UK advance gearbox manufacturing technology to China. The Dalian-based company is mainly engaged in manufacturing gearboxes in China, and has an annual turnover of RMB 11 million (approx. £ 1.1 million). It would like to introduce advance gearbox manufacturing technology from the UK into China and act as the distributor to UK gearbox manufacturers.

THE SOCIETY OF MOTOR MANUFACTURERS AND TRADERS LIMITED

SMMT, 71 Great Peter Street, London SW1P 2BN

T +44 (0)20 7235 7000 | F +44 (0)20 7345 7112 | www.smm.co.uk/international

Zambia - Pre-shipment road worthiness inspection services required

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/752760.html>

Qualified UK companies are invited to put forward proposals to provide inspection services to verify the road worthiness of used motor vehicles.

A Zambian Government entity requires used motor vehicles to be inspected and tested in accordance with ZS560. This entails:

- Setting up a centre in Zambia
- Provision of physical and technical Infrastructure
- Provision of qualified personnel

UK companies are invited to submit proposals which will be judged using Open International Bidding (OIB) procedures. Please note: All foreign companies will be required to partner with local firms

Bulgaria – Mobile equipment

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/750860.html>

This is an opportunity for UK companies to deliver special equipment.

Bulgarian municipality seeks a contractor to deliver mobile equipment for the construction of regional depot. The project includes excavators, tractors and other construction transporting vehicles, as well as training staff on how to use the machinery. Companies must have a turnover of at least €1.5 million for the last three years and executed contracts for delivery of machinery in the last three years for at least €1.2 million. The estimated value of the contract is €1.2 million EUR (excl. VAT). Tenders or requests to participate should be made in Bulgarian. Documentation requests should be made by 12 May 2014, 5:30 pm, local time

Latvia - State-started electrical cars implementation programme

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/750300.html>

Latvian government has received 160 applications for its electrical cars implementation program. Altogether, €4.42 million can be allocated to necessary hardware procurement to develop infrastructure for electrical cars in Latvia. 125 requests are for purchase of M1, M2, M3 type of cars, the rest are for setting up charging stations.

Hong Kong - MTRC - Procurement of 62 Double-decker Buses

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/749940.html>

Prequalification Invitation Contract No.: K0584-14E

MTR Corporation Limited invites qualified contractors to express their interest in tendering for the procurement of 62 double-decker buses to replace vehicles in the existing MTR bus fleet scheduled for retirement in 2016 / 2017.

The scope of work comprises the design, manufacture, factory-testing, delivery and pre-delivery inspection for 62 super low floor double-decker buses. The carrying capacity of each bus shall be 124 or above, with a length not exceeding 12 metres. The buses shall meet the current legislation and code of practice in Hong Kong. The buses shall be designed and equipped with key features including full aluminium body structure, ramp and parking space for wheelchairs, air suspension, power assisted steering, brake system with ABS / ASR, integrated CCTV system, exit door obstruction detection device, Euro -5 emission standard engine or above, A/C system with environmental type refrigerant such as R134a, stainless steel fuel tank, electronic destination display unit, fleet management system, support cradle for driver display unit, bus card processor and engine fire suppression system. Warranty and comprehensive maintenance support should also be provided.

The prequalification process for the tender will take place in end of April 2014 and tenders will be invited tentatively in July 2014.

In order to be considered for prequalification, interested parties having relevant resources, qualifications and experience are requested to express their interest on or before 29 April 2014 via MTR Corporation Limited's E-Tendering System. Late applications will not be considered.

Russia - Cooperation enquiry from a distribution company

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/749420.html>

A Russian company that supplies gearboxes, geared motors, electric motors, brakes, buffers and couplings from Europe is looking for manufacturers.

The company was established in 1989, currently employs 5 people and is in the process of active development. Employees have a previous experience working with such brands as Bonfiglioli, STM, LG, Italvibras, Linak and Watt Drive.

The company is looking for manufactures of all types of gearboxes, geared motors, electric motors, brakes, buffers and couplings.

Bulgaria – Waste collection vehicles

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/747680.html>

A Bulgarian waste collection company seeks a contractor to deliver special automobiles and equipment. The project includes delivery of four cistern vehicles, six vehicles for collection of public waste, five trucks and one multifunctional loader.

Companies must have turnover of at least €500,000 from similar contracts for the last three years and own or rent a depot for the vehicles. The value of the contract is estimated at €1.5 million (excl. VAT). Tenders or requests to participate should be made in Bulgarian.

Documentation requests should be made by 15 May 2014, 4:30 pm, local time. Tenders should be submitted by 25 May 2014, 4:30 pm, local time.

Pakistan – Procurement of partially open automatic retractable roof tourist coasters

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/747860.html>

Development of Corporation intends to improve the transport facilities in hilly areas for tourists and will procure 10 coasters in phase-I.

Pakistan - Multi temperature refrigerated trailers

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/746020.html>

A local company is looking to procure two units of such trailers for cold storage and transportation business. Technical specifications are as below:

Length: Minimum 13.6 m

Refrigeration Unit: Carrier or Thermoking

Tail Gate is required. Box Type: Multi-Temp with three or minimum two compartments.

Usage: Transportation of Chilled and Frozen goods.

USA - Fleet automobiles and trucks for state agency

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/743180.html>

State agency seeks vendors of automobiles, SUV's, vans for statewide use. The purpose of this Request for Proposal (RFP) is to expand the Pre-Qualified Vendors List for the purchase of fleet vehicles including passenger automobiles, SUVs, vans, law enforcement vehicles and light, medium and heavy duty trucks by the statewide customers.

NATO - Supply & delivery of spare parts for repair/maintenance of green fleet vehicles

<http://www.businessopportunities.ukti.gov.uk/uktihome/businessopportunity/743260.html>

Supply & Delivery of spare parts for repair/maintenance of green fleet vehicles owned by BSG/ISS branch in SHAPE IFIB Ref ACO-SH-14-09

WTO Non Tariff Barrier notifications updates

List of suspension and quota applications round to come into effect 1/1/2015

There are too many to describe - long list of items a number related to possible automotive interests including:

Ethylene glycol, acetone, lubricants, plastics, injection mouldings, glass, aluminium, fuel pumps, turbochargers, bearings, exhaust and catalytic converters, fuel cells, DC motors, batteries, speakers, cameras, PCBs.

USA

G/TBT/N/USA/901

7 April 2014

Automotive Fuel Ratings, Certification and Posting

The Commission proposes amendments to its Rule for Automotive Fuel Ratings, Certification and Posting ("Fuel Rating Rule" or "Rule") that would adopt and revise rating, certification, and labelling requirements for ethanolgasoline blends and would allow an alternative octane rating

method. The proposed amendments further the Rule's goal of helping purchasers identify the correct fuel for their vehicles.

USA

G/TBT/N/USA/605/Add2

22 April 2014

Federal Motor Vehicle Safety standards- Rear Visibility

The WTO has issued notification – G/TBT/N/USA/605/Add2 – of an amendment to vehicle rear visibility regulations to be introduced by the US National Highway Traffic Safety Administration. The new rule specifies the area behind a vehicle that must be visible to the driver when reversing. It is anticipated that, in the near term, vehicle manufacturers will use rear view video systems and in-vehicle visual displays to meet the new requirements. The rule becomes effective on 6 June 2014, with a phased in compliance period running from 1 May 2016 to 1 May 2018. Any objections to the rule must be lodged no later than 22 May 2014.

KENYA

G/TBT/N/KEN/406

2 April 2014

Road vehicles - Passenger vehicle body construction – specification

Specifies requirements for passenger vehicles body construction. This standard applies to vehicles with bodies designed and constructed for carriage of persons. The standard does not apply to saloon cars station wagon and other public transport vehicles, other than those defined in 3.1.

JCCC updates

Customs Information Paper (14)

Import Control System – ICS

This CIP provides details about:

- ICS software Release 6 and the new ICS Technical Specification (version 2.4).
- The new schemes and WSDL files that are compatible with this release.
- ICS downtime .

Customs information paper (14) 31

Export Control System (ECS) and New Computerised Transit System (NCTS) Upgrade - 2 June 2014

The ECS and NCTS KEL 26 upgrade is scheduled for the 2 June 2014. This CIP has been issued to inform all ECS and NCTS users of the changes within this software release and, where applicable, explain how the changes will affect trade users.

Customs information paper (14) 30

Tariff Preference: Autonomous Trade Measures for Ukraine.

The introduction on 23 April 2014 of the reduction or elimination of customs duties on goods originating in Ukraine and restrictions to be applied in respect of Crimea. Relevant to all involved with importing goods into the EU from Ukraine. Effective immediate until 31/10/14.

Customs Information Paper (14) 29

Inward Processing (Suspension) - New Bill of Discharge i-form (C&E 812)

A new i-form C&E 812 will replace the form currently on the HMRC website on 1 May 2014. Relevant to all traders using Inward Processing (Suspension) with a full UK, Integrated or Single Union authorisation issued by HMRC who are required to submit Bills of Discharge (C&E 812) monthly or quarterly. Effective 1/5/14.

Customs Information Paper (14) 28

Update of C18 Team contact details

This is an update to the contact details for the C18 Team in Ralli Quays Salford as advised in Customs Information Paper (14) 24. Relevant to Importers, Customs Freight Agents and anyone concerned in making customs declarations.

Customs Information Paper (14) 27

Update of NCH Out of Hours Contact Details

This CIP clarifies out of hours/weekend contact details for the National Clearance Hub (NCH) as outlined in Customs Information Paper (14) 20. Relevant for all those who have dealings with the National Clearance Hub (NCH) in Salford.

Customs Information Paper (14) 24

Change to processing of C18 Post Clearance Demand Notes.

With effect from Monday 7 April 2014 the processing of C18 Post Clearance Demand notes is being transferred from the C18 Team in Grimsby to Salford. Relevant for Importers, Customs Freight Agents and anyone concerned in making customs declarations.

Trade shows around the world by month

We are compiling a listing of auto sector-related trade shows around the world as information is received from organisers or from internet searches. The list is not yet complete and will be updated. If you are aware of shows that we should add to the list, or are able to report on the show having previously attended please contact the SMMT International team.

Below is a selection of key automotive events in the next 12 months. For further listing of events visit: www.biztradeshows.com/automotive.

May 2014:**Beijing, China****EV China 2014 New Energy Auto Show**

7-9 May 2014

Exhibition for EV and related infrastructures.

Dar-es-Salaam, Tanzania**17th AutoExpo Africa**

8-10 May 2014

East Africa's International Automotive, Spares & Accessories Expo.

www.exhibitcal.net/ta**Bergheim, Germany****Auto Motor Schau**

18 May 2014

Auto show.

Essen, Germany**Reifen (Tire)**

27-30 May 2014

www.reifen-messe.de/en/reifen_messe**Leipzig, Germany****Amistyle**

31 May - 8 June 2014

www.leipziger-messe.de**Leipzig, Germany****Amicom**

31 May - 8 June 2014

Exhibition for the in-car electronics industry.

www.amicom-leipzig.com**Astana, Kazakhstan****Autoworld Astana**

13-15 May 2014

<http://www.eventseye.com/fairs/f-autoworld-astana-8170-1.html>

June 2014:**Curitiba, Brazil****Autopart**

4-7 June 2014

Dubai, UAE**Automechanika**

3-5 June 2014

www.automechanika.messefrankfurt.com**July 2014:****Panama City, Panama****AAIA Latin Auto Part Expo**

9-11 July 2014

A new exhibition that will provide manufacturers and distributors direct access to Latin American and Caribbean OEMs, replacement parts, aftermarket parts, automotive remanufactured parts, and tuning markets.

The automotive aftermarket business segment in Latin America is forecasted to grow over 30% in the next few years.

www.latinpartsexpo.com**August 2014:****Moscow, Russian Federation****Interauto**

28-31 August 2014

www.eng.interauto-expo.ru**September 2014:****Frankfurt, Germany****Automechanika**

16-20 September 2014

www.automechanika.messefrankfurt.com

October 2014:**Oslo, Norway****Oslo Motor Show**

10-12 October 2014

www.messe.no/en/Oslo-Motor-Show**November 2014:****Buenos Aires, Argentina****Automechanika Argentina**

12-15 November 2014

www.automechanika.messefrankfurt.com**Frankfurt, Germany****EuroMold 2014****25-28 November 2014**

Moldmaking, tooling, design and application development exhibition.

January 2015:**Salzburg, Austria****AutoZum**

21-24 January 2015

www.autozum.at/**February 2015:****Lillestrom, Norway****Automessen**

4-7 February 2015

www.messe.no/en/Automessen**March 2015:****Kuala Lumpur, Malaysia****Automechanika Malaysia**

19-21 March 2015

www.automechanika.messefrankfurt.com

Saint Petersburg, Russian Federation**Autoprom Russia**

12-14 March 2015

www.autoprom.restec.ru/en**June 2015:****Nuremberg, Germany****Automotive Engineering Expo**

9-11 June 2015

www.automotive-engineering-expo.com/**October 2015:****Oslo, Norway****Oslo Motor Show**

23-25 October 2015

www.messe.no/en/Oslo-Motor-Show



NOT INVENTED OR DISCOVERED IN ROME

ACCURATE ATOMIC CLOCK + ACETYLCHOLINE +
 ACHROMATIC DOUBLET LENS + ADJUSTABLE SPANNER +
 AERODYNAMIC FORCES OF FLIGHT + AIR INFLATED
 RUBBER TYRE + AIRBORNE BOMB TARGETING RADAR +

AIRCRAFT CAPABLE OF SUPERCruise + AIRCRAFT CARRIER + AIRPORT + ALL-ELECTRONIC
 DESKTOP CALCULATOR + ALUMINIUM + AMBROTYPE + ANAESTHESIA + ANALYTICAL ENGINE +
 ANATOMY OF VEGETABLES / PLANTS + ANCHOR ESCAPEMENT + ANCHROMATIC LENS +
 ANEMOMETER + ANODE + ANTISEPTIC SURGERY + APPLETON LAYER RADIO WAVE +
 ARCHEOLOGICAL RESEARCH (Leakey) + ARIEL + ARM (MOBILE PHONE ARCHITECTURE) +
 ARMSTRONG GUN + AROMATIC HYDROCARBON + ARTIFICIAL INTRAOCULAR LENS + ARTS
 FESTIVAL + ASDIC + ASPIRIN + ATM + ATMOSPHERIC STEAM PUMP / ENGINE + ATOM (NUCLEAR
 MODEL OF) + ATOMIC NUMBER + ATWOOD MACHINE + AUTOMATIC ELECTRIC KETTLE +
 AUTOMATIC TOTALISATOR + BABBAGE DIFFERENCE / ANALYTICAL ENGINE + BACK HOE DIGGER
 + BACONIAN - SCIENTIFIC METHOD + BACON'S CIPHER + BAGLESS VACUUM CLEANER + BAILEY
 BRIDGE + BAKU-CEYHAN OIL PIPELINE + BALL BEARING + BALTI + BANGERS AND MASH + BANK
 OF ENGLAND + BASEBALL + BAYESIAN DATA SEARCH PRINCIPLES + BBC TELEVISION SERVICE +
 BEAM ENGINE + BEAUFORT SCALE + BELISHA BEACON + BETA-BLOCKERS + 'BIG BANG' +
 BINARY STARS + BIRTH CONTROL PILL + BLACK HOLES + BLACK PUDDING + BLOOD
 CIRCULATION + BLOOD PRESSURE MEASUREMENT + BLOOD TRANSFUSION + BOARDS OF
 HEALTH CLEAN WATER ACT + BOMBE AND COLOSSUS COMPUTER + BOOK PRINTED IN ENGLISH
 + BOOLEAN LOGIC ALGEBRA + BOUNCING BOMB + BOWDEN CABLE + BOWLS + BOXING +
 BOYLES LAW + BRAGG'S LAW X-RAY CRYSTALLOGRAPHY + BRITISH LIBRARY + BRITISH
 MUSEUM + BROWN SAUCE (HP SAUCE) + BUBBLE AND SQUEAK + BUCKMINSTERFULLERENE +
 BULLPUP FIREARM CONFIGURATION + BUNGEE JUMPING + BUSINESS APPLICATION (PAYROLL
 SYSTEM) ON AN ELECTRONIC COMPUTER + CALCULUS + CAMBERED WINGS + CAMBRIDGE
 UNIVERSITY PRESS + CANCER/SMOKING LINK + CARBON FIBRE + CARBON FIBRE FABRIC +
 CARBONATED DRINKS + CARDIAC CATHETERISATION + CARRIER OF MALARIA + CAST IRON /
 WROUGHT IRON BRIDGE + CAST IRON GEARS + CATERPILLAR TRACK + CATHODE + CATHODE
 RAY TUBE + CAT'S EYE + CAVITY MAGNETRON + CELL BIOLOGY + CHEDDAR CHEESE +
 CHELSEA PHYSIC GARDEN + CHILDPROOF BOTTLE TOP + CHOBHAM ARMOUR + CHOCOLATE
 BAR + CHOLERA ERADICATION + CHRISTMAS CARD + CINEMATOGRAPHY + CLASSIFYING
 FINGERPRINTS + CLIMATE CHANGE THEORY + CLINICAL THERMOMETER + CLOCK BALANCE
 SPRING + CLOCK BALANCE WHEEL + CLOCK CO-AXIAL ESCAPEMENT + CLOCK GRASSHOPPER
 ESCAPEMENT + CLOCK GRIDIRON PENDULUM + CLOCK MAKING + CLOCKWORK RADIO + COADE
 STONE + COGGESHALL SLIDE RULE + COKE SMELTING + + COLLAPSIBLE BABY BUGGY +
 COLLODION-ALBUMEN PROCESS + COMICS + COMMERCIAL AIR PASSENGER FLIGHT +
 COMMERCIAL ELECTROPLATING PROCESS + COMMERCIAL JET AIRLINER + COMMERCIAL STEEL
 ALLOY + COMMERCIAL TRANSISTOR COMPUTER + COMMERCIAL SUCCESSFUL ELECTRIC
 TELEGRAPH + COMMERCIAL SUCCESSFUL LIGHT FARM TRACTOR + COMMON LAW +
 COMPLETE, FULLY FUNCTIONAL COMPUTER TO USE THE VON NEUMANN ARCHITECTURE +
 COMPOUND MICROSCOPE + COMPRESSION IGNITION ENGINE + COMPUTED TOMOGRAPHY (CT
 SCANNER) + COMPUTER COMPILER + COMPUTER GAME WITH 3D GRAPHICS + COMPUTER
 SCIENCE + CONCEPT OF A METRIC SYSTEM + CONCEPT OF GEOSTATIONARY SATELLITE
 TELECOMMUNICATIONS TELETXT + CONCEPT OF ISOTOPES + CONCERTINA + CONCORDE
 WING AND ENGINE + CONGREVE ROCKET + CONVECTION STOVE + COOPERATIVE MOVEMENT +
 CORDITE / SAFETY FUSE + CORKSCREW + CORNISH PASTY + COTTAGE PIE + CRAFT GUILD +
 CRICKET + CRICKET BOWLING MACHINE + CRIME FORENSICS + CROP ROTATION +
 CROSSWORD PUZZLE + CT SCANNER + CULTURE EMBRYONIC STEM CELLS + CUMBERLAND
 SAUSAGE + DAIRY FARMING SYSTEMS + DALTON'S LAW AND LAW OF MULTIPLE PROPORTIONS +
 DANIELL CELL + DARTS + DAZZLE CAMOUFLAGE + DEPTH CHARGE + DERBY RIB (STOCKING
 MANUFACTURE) + DESCRIPTION OF CIRCULATION OF THE BLOOD + DESCRIPTION OF HAY
 FEVER + DEVELOPMENT OF RADIO AND RADIO COMMUNICATION + DEVELOPMENT OF RADIO

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 RECTIFIER + DISC BRAKES + DISCOVERY OF RADIO
 WAVES + DISCOVERY OF THE CITRIC ACID CYCLE

("KREBS CYCLE") + DISCOVERY OF THE PION (PI-MESON) + DISPLACEMENT LUBRICATOR +
 DISPOSABLE HYPODERMIC SYRINGE + DIVING BELL + DIVING EQUIPMENT/SCUBA GEAR + DNA
 DATABASE + DNA FINGERPRINTING + DNA SEQUENCING + DNA STRUCTURE + DOLLY THE
 SHEEP + DOMESTIC DISHWASHER + DOUBLE BARRELED SHOTGUN + DOUBLE REFLECTING
 OCTANT + DRAWING OF THE MOON THROUGH A TELESCOPE + DREADNOUGHT BATTLESHIP +
 DRIP COFFEE POT + DRIVING SCHOOL AND FORMAL DRIVING TUITION + DRY PLATE GELATINE
 PROCESS + EARLIEST PHARMACOPOEIA IN ENGLISH + EARLY SOLAR POWER + ECCLES CAKE
 +EKG + ELECTRIC FURNACE + ELECTRIC LIGHT + ELECTRIC MOTOR + ELECTRIC TELEGRAPH +
 ELECTRIC TOASTER + ELECTRIC TRANSFORMER + ELECTRIC VACUUM CLEANER + ELECTRICAL
 CONDUCTION / INSULATION + ELECTRICAL GENERATOR (DYNAMO) + ELECTRICAL MEASURING
 INSTRUMENT, THE ELECTROSCOPE + ELECTRICALLY POWERED MECHANICAL ANALOGUE
 COMPUTER + ELECTRO MAGNET + ELECTROCARDIOGRAPHY + ELECTRODE +
 ELECTROENCEPHALOGRAPH + ELECTROLYSIS + ELECTROLYTE + ELECTROMAGNETIC FIELD
 THEORY + ELECTROMAGNETIC INDUCTION + ELECTROMAGNETIC ROTATION + ELECTRON +
 ELECTRON CAPTURE DETECTOR + ELECTRONIC PROGRAMMABLE COMPUTER + ELEMENT
 ARGON + ELEMENTS OF THE PRACTICE OF MEDICINE + ENCELADUS + ENCYCLOPAEDIA
 BRITANNICA + ENGLISH CRUCIBLE STEEL + ENGLISH LANGUAGE + ENGLISH MUSTARD + F1
 RACE CAR + FAIRBAIRN-SYKES FIGHTING KNIFE + FAN VAULTING + FARADAY CAGE +
 FARADAY'S LAW OF INDUCTION + FAX MACHINE + FERMAT'S THEOREM PROOF + FERROCENE
 FIBRE OPTICS IN TELECOMMUNICATIONS + FIELD HOCKEY + FIGHTER AIRCRAFT + FINANCIAL
 CREDIT + FINGERPRINTING FORENSICS + FIRE EXTINGUISHER + FIRST PROGRAMMING
 LANGUAGE / PROGRAMMER + FISH AND CHIPS + FLIP-FLOP CIRCUIT, (RANDOM-ACCESS
 MEMORY) + FLOAT GLASS PROCESS + FLUSHING LAVATORY + FLYBALL GOVERNOR + FLYING
 SHUTTLE + FOLDING CARTON + FOOTBALL + FORMAT OF MODERN OLYMPICS + FOURDRINIER
 MACHINE + FRANCIS TURBINE + FRICTION MATCH + FUEL CELL + FULL ENGLISH BREAKFAST +
 FULL SCALE RAILWAY STEAM LOCOMOTIVE + FULLY ELECTRONIC TELEVISION SYSTEM USED IN
 REGULAR BROADCASTING + AIA HYPOTHESIS + GAS MASK + GAS TURBINE + GEOLOGICAL
 TIMESCALE + GEOLOGY SCIENCE + GEORDIE LAMP + GLEE CLUB + GLIDER DEVELOPMENT &
 HUMAN FLIGHT + GLOBAL MAGNETIC SURVEY + GLOBAL WARMING THEORY + GRAPHENE +
 GRAPHIC TELESCOPE + GRAPHICAL COMPUTER GAME + GRAVY + GRAY'S ANATOMY TEXTBOOK
 + GREENWICH MEAN TIME + GREGORY REFLECTING TELESCOPE + HAGGIS + HALLEY STAR MAP
 / COMET + HAMMERBEAM ROOF + HANDHELD COMPUTER + HANSOM TAXI CAB + HARRIER JUMP
 JET + HAWKEYE (line judge) + HAWKING RADIATION + HEAVISIDE LAYER + HELIUM + HIGGS
 BOSON + HIGH EXPLOSIVE + HIGH EXPLOSIVE SQUASH HEAD + HIGH STRENGTH CARBON FIBRE
 + HIGH-DEFINITION TELEVISION PUBLIC BROADCASTS + HIP REPLACEMENT + HISTORICAL
 LINGUISTICS + HOLOGRAPHY + HOOKES LAW + HORSTMANN SUSPENSION + HOSPICE CARE +
 HOT BULB ENGINE OR HEAVY OIL ENGINE + HOUSE POWERED WITH HYDROELECTRICITY +
 HOVERCRAFT + HTML + HTTP + HYDRAULIC CRANE + HYDRAULIC PRESS + HYDROFOIL +
 HYDROGEN + HYDROGEN FUEL CELL + HYDROPHONE + HYGROMETER + HYPERION +
 HYPODERMIC SYRINGE + ICE CREAM + ICE HOCKEY + IMAC, IPOD, IPHONE, iPad DESIGN +
 IMPROVED SEED DRILL + IN VITRO FERTILIZATION + INCANDESCENT LIGHT BULB + INDUSTRIAL
 REVOLUTION + INFRARED RADIATION + INSULIN + INTEGRATED CIRCUIT CONCEPT + INTER-CITY
 STEAM-POWERED RAILWAY + INTERNAL COMBUSTION ENGINE + INTERNATIONAL INSURANCE /
 UNDERWRITING + ION + IRIS DIAPHRAGM + IRIS RECOGNITION + IRON BRIDGE + ISOLATION OF
 BENZENE + ISOLATION OF BORON + ISOLATION OF FIBRINOGEN + ISOLATION OF SODIUM +
 ISOLATION OF POTASSIUM + ISOTOPE (ATOMIC WEIGHT) + JELLIED EELS + JERSEY SPINNING
 WHEEL + JET ENGINE PROPULSION + JOHN INNES COMPOST + JOINT STOCK COMPANY +
 JOULE-THOMPSON REFRIGERATION EFFECT + KELVIN SCALE + KENDAL MINT CAKE +

GREAT

BRITAIN

KENNELLY–HEAVISIDE LAYER + KEYBOARD MUSIC +
KEYHOLE SURGERY + KINEMACOLOR + KINETOGRAPH +
KINETOSCOPE + KING JAMES BIBLE + KNITTING MACHINE
+ LANCASHIRE HOTPOT + LAPTOP COMPUTER + LASAGNE
+ LAUGHING GAS + LAW OF ELECTRIC CIRCUITS + LAW OF

GRAVITY + LAWN MOWER + LAWS OF MOTION + LEAD CHAMBER PROCESS + LEAD PENCIL +
LIFE INSURANCE + LIFEBOAT + LIGHT BULB + LIGHT SWITCH + LIGHT WAVES + LIGHT-EMITTING
DIODE THEORY + LIGHTHOUSE + LINCOLNSHIRE SAUSAGE + LINEAR MOTOR + LINKAGE OF
CANCER AND ENVIRONMENTAL CARCINOGEN + LINOLEUM + LIQUID CRYSTAL DISPLAY
DEVELOPMENT + LIQUID HYDROGEN + LIQUID OXYGEN + LITERARY FESTIVAL + LITTLE NIPPER
MOUSETRAP + LIVENS PROJECTOR + LOCATING THE SOURCE OF CHOLERA + LOGARITHMS +
LOGICAL BASSOON + LONGEST-RUNNING SCIENTIFIC JOURNAL + LORGNETTE + LOVELACE
COMPUTER PROGRAMME + MAGLEV RAIL SYSTEM + MAGNA CARTA + MAGNETIC RESONANCE
IMAGING (MRI) + MAGNETO-OPTICAL EFFECT + MAGNIFYING GLASS + MALARIA TREATMENT +
MARINE BAROMETER + MARINE CHRONOMETER + MARINE SURVEYING / CHARTING + MARSH
TEST FOR DETECTING ARSENIC POISONING + MARSHALL AMPLIFIER / SPEAKER STACK + MASS
SPECTROGRAPH + MASS SPECTROMETER + MATHEMATICA PRINCIPIA + MATHEMATICAL
SYMBOLS + MEAN SPEED THEOREM + MECCANO + MECHANISED SEED DRILL + MECHANISM OF
GENE-SPLICING + MEDICAL STATISTICAL MAPPING + METEOROLOGY + MICROCHIP +
MICROMETER + MICROPROGRAMMING + MIMAS + MINI CAR + MINI SKIRT + MOBILE PHONE
PROCESSOR + MODERN ATOMIC THEORY + MODERN CIRCUS + MODERN ECONOMIC THEORY +
MODERN FIRE EXTINGUISHER + MODERN FLUSHING TOILET + MODERN NURSING + MODERN
SEWAGE SYSTEM + MODERN TOOTHBRUSH + MODERN TORPEDO + MONOCOQUE CHASSIS IN
FORMULA ONE + MOTION PICTURE CAMERA + MOVIE PROJECTOR + MRI SCANNER + MUSCLE
RELAXANTS + MUSIC FESTIVAL + MUSICAL TUNING FORK + NATURE RESERVE + NAUTICAL /
LUNAR ALMANACS + NAVIGABLE INLAND WATERWAY / LOCKS + NEBULAE + NEPTUNE +
NETBALL + NEUROLOGY + NEUROPLASTICITY + NEUTRON DISCOVERY + NEWTONIAN
TELESCOPE + NEWTON'S LAWS OF MOTION + NORTHUMBRIAN SMALLPIPPES + NUCLEAR
PHYSICS / SPLITTING ATOM + NUCLEAR TRANSFER + OBERON + OCTANT + OLDEST KNOWN
RECORDINGS OF COMPUTER GENERATED MUSIC + OPERATIONAL STEAM PASSENGER
RAILWAY + OPHTHALMOSCOPE CONCEPT + ORDNANCE SURVEY + ORGANIC FARMING
MOVEMENT + OXFORD AND CAMBRIDGE UNIVERSITIES + OXYGEN GAS + PACKET SWITCHING +
PALMTOP COMPUTER + PANCAKE + PARACHUTE DESIGN + PARALYMPIC GAMES + PARKES
PROCESS + PARKESINE, THE FIRST MAN MADE PLASTIC + PARKIN + PARKINSON'S DISEASE +
PARTITION CHROMATOGRAPHY + PASSENGER RAILWAY + PASSENGER STEAMSHIP + PASTY +
PATENT FOR A DEVICE SIMILAR TO A TYPEWRITER + PAY TOILET + PEDAL BICYCLE +
PEDESTRIAN ZEBRA CROSSING + PENCIL + PENCIL ERASER + PENDULUM GOVERNOR +
PENICILLIN + PENNY-FARTHING + PERAMBULATOR + PERIODIC TABLE + PERISCOPE +
PHONOGRAPH + PHOTOCONDUCTIVITY OF SELENIUM + PHOTOGRAPHY (CALOTYPE) +
PHOTOPHONE + PIANO DAMPER + PICCALILLI + PING PONG + PITMAN SHORTHAND +
PLANETARIUM + PLANT GENETICS + PLASTICINE + PLAYFAIR CIPHER + PLIMSOLL LINE +
POCKET SIZED HANDHELD TELEVISION + POCKET WATCH LEVER ESCAPEMENT + POLICE
FORCE + POLO + POLYESTER + POLYTHENE + POOR LAWS SANITATION + PORK PIE +
PORTABLE COMPUTER + PORTABLE DEFIBRILLATOR + PORTABLE MEDIA PLAYER + PORTLAND
CEMENT + POSTAGE STAMP + POSTAL SERVICE + POSTMARK + POWER LOOM + POWERED
FLIGHT + POWERED VACUUM CLEANER + PRINTED ADVERTISEMENT + PROTEIN
CRYSTALLOGRAPHY + PROTON + PUBLIC ELECTRIC SUPPLY + PUBLIC HEALTH ACT + PUCKLE
GUN + PULSAR + RADAR + RADIO ASTRONOMY + RADIO GUIDANCE SYSTEMS + RADIO STATION +
RADIO TRANSMISSION USING A SPARK TRANSMITTER + RAIL WATER TROUGH + RAILROAD +
RAILWAY TICKET + RAMSBOTTOM SAFETY VALVE + RAYLEIGH SCATTERING + RAYON + RAYS
CLASSIFICATION OF BIRDS, PLANT AND FISH + RECTILINEAR SLIDE RULE + REFRIGERATOR +
RESURGAM + ROAD ATLAS + ROTATING BOAT LIFT + ROUNDERS + ROWING + ROYAL BOTANIC
GARDENS + ROYAL INSTITUTION + RSA CIPHER + RUBBER BALLOON + RUBBER BAND + RUBBER

THE SOCIETY OF MOTOR MANUFACTURERS AND TRADERS LIMITED

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MASTICATOR + RUGBY UNION / LEAGUE + SADDLE-BACK
RAILTRACK + SAFETY FUSE + SAFETY LAMP + SANDWICH
+ SAUSAGE ROLL + SCIENTIFIC EXPERIMENTATION +
SCOTCH EGG + SCOUSE + SCOUTS + SCREW PROPELLER
+ SCREW-CUTTING LATHE / MACHINE TOOLS + SCUBA

DIVING + SEAT BELT + SEAWATER DESALINATION + SEISMOGRAPH + SEISMOMETER +
SELECTIVE BREEDING + SELENIUM CELL + SELF REPLICATING 3D PRINTER + SELF-POWERED
MACHINE GUN + SEWING MACHINE + SEXTANT + SHEFFIELD PLATE / CUTLERY + SHEPHERD'S
PIE + SHIRE HORSE + SHRAPNEL SHELL + SILENT BURGLAR ALARM + SILICONE + SINCLAIR C5 +
SINCLAIR ZX80, ZX81 AND ZX SPECTRUM + SLIDE RULE + SMALL ELECTRONIC POCKET
CALCULATOR + SMALLPOX VACCINE + SMS MESSAGE + SNOOKER + SODA WATER + SODIUM
CROMOGLYCATATE REMEDY FOR ASTHMA + SOLID FUEL ROCKET + SONAR + SPARKLING WINE +
SPINNING FRAME + SPINNING JENNY + SPINNING MULE + SPIRAL GALAXIES + SPIROGRAPH +
SPLIT PISTON RING + SPLITTING THE ATOM + SPOTTED DICK + STAINLESS STEEL + STAMP
COLLECTING + STANDARD DEVIATION + STANDARD FOR SCREW THREADS + STANDARD
WEIGHTS AND MEASURES + STEAK AND KIDNEY PIE + STEAM CATAPULT + STEAM ENGINE +
STEAM FIRE ENGINE + STEAM LOCOMOTIVE + STEAM POWERED FLIGHT + STEAM PUMP +
STEAM TURBINE + STEAM-DRIVEN PLOUGHING ENGINE + STEAM-POWERED, SCREW
PROPELLER-DRIVEN PASSENGER LINER WITH AN IRON HULL + STEAMSHIP + STEEL PEN NIB +
STEEL PRODUCTION BESSEMER PROCESS + STEEL-RIBBED UMBRELLA + STEM CELL
REPLACEMENT STEPHEN HAWKING COSMOLOGY AND QUANTUM GRAVITY + STEREOGRAPHIC
RECORDING + STEREOSCOPE + STEREOTYPING + STERI-SPRAY + STICKY TOFFEE PUDDING +
STOCK EXCHANGE + STOCKING FRAME + STORED-PROGRAM COMPUTER + STUN GRENADES +
SUBMARINE + SUNDAY ROAST + SUNSPOTS + SUPERCOMPUTER + SUPERPHOSPHATE
CHEMICAL FERTILIZER + SURGICAL FORCEPS + SUSPENSION BRIDGE + SYNTHETIC ORGANIC
DYE + SYNTHETIC PERFUMES + SYNTHETIC RUBBER + TARMACADAM + TEASMADE +
TELEPHONE + TELEVISION + TENNIS + TENSION-SPOKE WIRE WHEELS + THALLIUM + THE BIBLE
COMPLETE PRINTED ENGLISH TRANSLATION + THE BOTANICAL THEATRE + THE EDDINGTON
LIMIT LUMINOSITY OF STARS + THE SALVATION ARMY + THEATRE ORGAN + THEORY OF
COMBUSTION + THEORY OF EVOLUTION + THEORY OF SOUND + THERMOS FLASK +
THERMOSIPHON, MODERN CENTRAL HEATING SYSTEMS + THOROUGHBRED HORSERACING +
THRASHING MACHINE + THRUST VECTORING + THRUSTSSC JET-PROPELLED CAR WORLD LAND
SPEED RECORD + TIDDLYWINKS + TILTING TRAIN + TIN CAN + TITANIA + TOAD IN THE HOLE +
TOILET PAPER (perforated) + TORPEDO + TORSION BALANCE + TOUCHPAD POINTING DEVICE +
TOY BUILDING BRICKS (PATENT LATER ACQUIRED BY LEGO) + TRACKBALL DEVICE + TRAFFIC
LIGHTS & AUTOMATIC TRAFFIC LIGHTS + TRANQUILISER GUN + TREATMENT OF EPILEPSY +
TRIPLE ACHROMATIC LENS + TRITON + TUBERCULOSIS + TUNING FORK + TURBOJET AIRCRAFT
ENGINE + TWO-STROKE ENGINE + TYPHOID FEVER VACCINE + TYPHOID VACCINE + UMBRELLA
+ UMBRIEL + UNDERGROUND RAILWAY RAPID TRANSIT SYSTEM. + UNDER-RIVER TUNNEL +
UNDERSEA TELEGRAPH CABLE + UNIVERSAL JOINT + UNIVERSAL TURING MACHINE – FIRST
OPERATING SYSTEM + URANUS + VACUUM BOTTLE + VACUUM CLEANER + VACUUM DIODE +
VACUUM TUBE THERMIONIC VALVE + VALENTINES CARD + VASCULAR PLANT TAXONOMY +
VASELINE PETROLEUM JELLY + VENN DIAGRAM + VERTICAL TAKE-OFF AND LANDING + VIAGRA
+ VITAMINS AND TRYPTOPHAN + VULCANISATION OF RUBBER + WARP-LOOM AND BOBBINET +
WATER DESALINATION PROCESS + WATER FRAME + WATER POWERED BELLOWS / HAMMER +
WATERPROOF FABRIC + WAVE THEORY OF LIGHT + WEATHER MAP + WEATHER PREDICTION
SCIENCE + WEB BROWSER + WEIGHT DRIVEN ACCURATE MECHANICAL CLOCK + WELCOME
TRUST GENOME CONTRIBUTION + WESTERN MUSICAL HARMONY / TRIAD CHORDS +
WESTMINSTER ACT STREET PAVING + WHEATSTONE BRIDGE + WHIRLING SPECULUM (
GYROSCOPE) + WHITWORTH SNIPER RIFLE + WILSON YARN CLEARER + WIMSHURST MACHINE
ELECTROSTATIC GENERATOR + WIND TUNNEL + WIND-UP RADIO + WORCESTERSHIRE SAUCE
+ WORLD WIDE WEB + WORLD WILDLIFE FUND + WORLDS HIGHEST BRIDGE DESIGN + X-RAY
SPECTROMETER + YMCA + YORKSHIRE PUDDING (Editor's note – insufficient space to list all tems)

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