

Purchasing Managers' Index[®]
MARKET SENSITIVE INFORMATION
EMBARGOED UNTIL 0930 (London / UTC) December 7th 2017

IHS Markit Europe Sector PMI[®]

Record growth of European chemicals output in November

Key points:

- Strongest rise in chemicals output since series began in January 1998
- Fastest growth in autos production in nearly seven years
- Expansion of technology equipment output almost matches series record

The latest Europe Sector *PMI[®]* data from IHS Markit showed surging output across a range of manufacturing sectors in November. **Chemicals** recorded the fastest expansion in production since the series began in January 1998, while five other manufacturing sectors posted growth rates that were among the fastest registered to date.

Automobiles & auto parts registered the fastest rate of expansion of all sectors monitored in November. The rate of growth was the strongest since December 2010 and among the fastest since the series began in January 1998. Similarly, **technology equipment** posted the fastest growth since April 2010 and the second-sharpest on record.

The strongest-growing service sector remained **banks**, in eighth place overall. The rate of expansion was marked, albeit weaker than October's 131-month record.

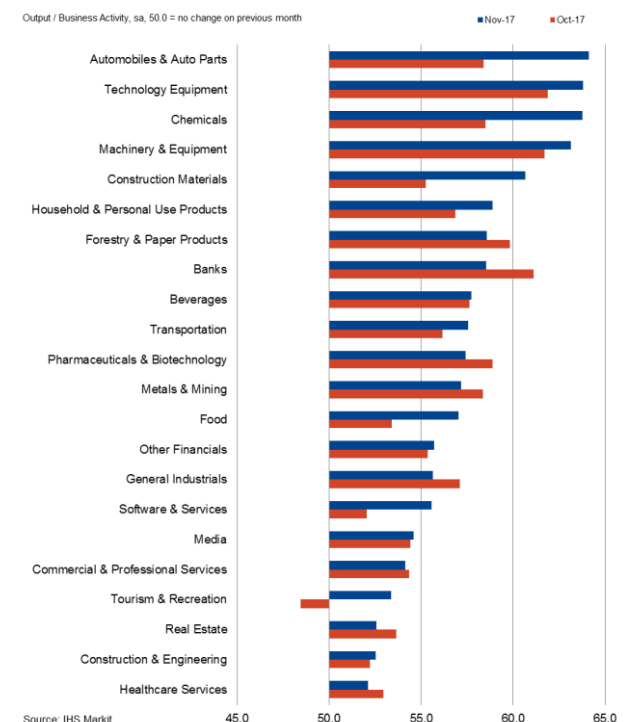
Output in the **tourism & recreation** sector rebounded in November, growing at the fastest rate in 22 months. The weakest rise in activity was registered in **healthcare services**.

Leading European sectors in November

| | Output Index Nov-17 | Highest since | Rank since Jan-98 |
|-----------------------------------|---------------------|---------------|-------------------|
| Automobiles & Auto Parts | 64.1 | Dec-10 | 5th |
| Technology Equipment | 63.8 | Apr-10 | 2nd |
| Chemicals | 63.8 | Record | 1st |
| Machinery & Equipment | 63.1 | May-10 | 3rd |
| Construction Materials | 60.7 | Jan-07 | 7th |
| Household & Personal Use Products | 58.9 | Dec-16 | 3rd |

Source: IHS Markit.

Output Index rankings



Source: IHS Markit.

For further information, please contact:

IHS Markit

Chris Williamson, Chief Business Economist
Telephone +44-20-7260-2329
Mobile +44-779-5555-061
Email chris.williamson@ihsmarkit.com

Trevor Balchin, Director, Economics
Telephone +44-1491-461-065
Email trevor.balchin@ihsmarkit.com

Joanna Vickers, Corporate Communications
Telephone +44 207 260 2234
Email joanna.vickers@ihsmarkit.com

Notes to Editors:

PMI[®] is an acronym for *Purchasing Managers' Index*[®], a type of survey originally developed for tracking business conditions in the manufacturing sector. IHS Markit now uses '*PMI*' to describe the methodology used for surveys also undertaken in the services, construction and non-oil private sectors.

IHS Markit Europe Sector PMI data are derived from surveys of around 6,500 companies operating in 11 countries, including Austria, Czech Republic, France, Germany, Greece, Ireland, Italy, Netherlands, Poland, Spain and the United Kingdom. The data are typically released on the fifth working day of each month, two days' after the Global Composite PMI, at 0930 UK time.

The Europe Sector PMI data provide corporate planners and decision makers, economic analysts, policy makers and investors with a powerful and unique database with which to monitor business cycles by industry. Sector trends over time can be tracked as well as relative performance between sectors, allowing identification of key growth industries and the drivers within them.

The dataset provides monthly indicators of business trends across variables such as output, order books, prices, inventories and employment for seven major groups including: basic materials, consumer goods, consumer services, financials, healthcare, industrials, and technology; and a further 26 sectors and subsectors of those groups.

Sector PMI data are generated from the same questionnaire responses as national PMI data, and mapped to IHS Markit's sector classification structure using Standard Industry Classification (SIC) codes. Respondents are asked to state whether business conditions for a number of variables have improved, deteriorated or stayed the same compared with the previous month. Diffusion indexes are calculated for each variable (the percentage of positive responses plus half the percentage of neutral responses). These indexes vary between 0 and 100 with levels of 50.0 signalling no change on the previous month. Readings above 50.0 signal an improvement or increase on the previous month. Readings below 50.0 signal a deterioration or decrease on the previous month. The greater the divergence from 50.0 the greater the rate of change signalled.

Individual company responses will be weighted on the basis of that company's country of origin. Country weights for each sector are derived from a combination of GDP data and detailed industry gross value added.

The PMI diffusion indexes are then adjusted for seasonality using the X-12 ARIMA program.

Detailed historical European sector data are available via a subscription from IHS Markit, and datasets are also available for the US, Asia and at a global level. For further information please contact economics@ihsmarkit.com.

About IHS Markit (www.ihsmarkit.com)

IHS IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and expertise to forge solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

IHS IHS Markit is a registered trademark of IHS Markit Ltd. All other company and product names may be trademarks of their respective owners © 2017 IHS Markit Ltd. All rights reserved.

About PMI

Purchasing Managers' Index[®] (*PMI*[®]) surveys are now available for over 40 countries and also for key regions including the eurozone. They are the most closely-watched business surveys in the world, favoured by central banks, financial markets and business decision makers for their ability to provide up-to-date, accurate and often unique monthly indicators of economic trends. To learn more go to www.markit.com/product/pmi.

The intellectual property rights to the Europe Sector *PMI*[®] provided herein are owned by or licensed to IHS Markit. Any unauthorised use, including but not limited to copying, distributing, transmitting or otherwise of any data appearing is not permitted without IHS Markit's prior consent. IHS Markit shall not have any liability, duty or obligation for or relating to the content or information ("data") contained herein, any errors, inaccuracies, omissions or delays in the data, or for any actions taken in reliance thereon. In no event shall IHS Markit be liable for any special, incidental, or consequential damages, arising out of the use of the data. *Purchasing Managers' Index*[®] and *PMI*[®] are either registered trade marks of IHS Markit Economics Limited or licensed to IHS Markit Economics Limited. IHS Markit is a registered trademark of IHS Markit Ltd.

If you prefer not to receive news releases from IHS Markit, please email joanna.vickers@ihsmarkit.com. To read our privacy policy, [click here](#).