

## News Release

**MARKET SENSITIVE INFORMATION**  
**EMBARGOED UNTIL: 1100 (New York) / 1600 (UTC) January 2nd 2018**

## J.P.Morgan Global Manufacturing PMI™

Produced by J.P.Morgan and IHS Markit in association with ISM and IFPSM

### Global PMI ends 2017 at near seven-year high

The upturn in the global manufacturing economy gathered further pace at the end of 2017. Rates of expansion in output and new orders accelerated to the best seen since February 2011, leading to improved jobs growth and rising business optimism. Price inflation also eased slightly after strengthening in recent months.

The J.P.Morgan Global Manufacturing PMI™ – a composite index<sup>1</sup> produced by J.P.Morgan and IHS Markit in association with ISM and IFPSM – rose to a near seven-year high of 54.5 in December, up from 54.1 in November. The PMI has signalled expansion in each of the past 22 months.

*Please note that later than usual release dates meant final PMI data were not available for Japan or Thailand. References to Japan in this press release are based on the flash estimates released at 00:30 (UTC) December 14.*

Growth was registered across the consumer, intermediate and investment goods sectors in December, with rates of expansion accelerating in all three. The strongest pace of improvement was in the intermediate goods category, followed closely by investment goods, with PMI readings at eighty-two month highs in both cases. Growth was mild in comparison in the consumer goods sector, despite its PMI ticking up to a four-month high.

National PMI data signalled that growth was again faster (on average) in developed nations compared to emerging markets. The euro area remained the strongest performing region, with its PMI hitting a series-record high. Rates of expansion improved in the US (33-month high) and Japan, but eased in the UK. PMI readings hit a three-month high in China, surged to a five-year high in India, five-month high in Russia and remained in expansion territory in Brazil.

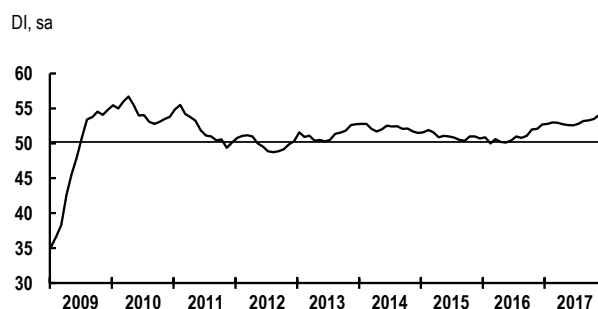
December saw global manufacturing production scaled up in response to rising new order inflows, including the steepest gains in new export business since February 2011. These in turn tested capacity – as highlighted by a solid increase in backlogs of work – and encouraged faster job creation (the quickest since March 2011). Among the largest nations covered, employment rose in the US, the euro area, Japan, the UK, India and Brazil, but fell in China and South Korea.

Upward price pressures moderated in December, with rates of inflation in input costs and output charges easing. Increases in both price measures remained slightly higher (on average) in developed nations than emerging markets.

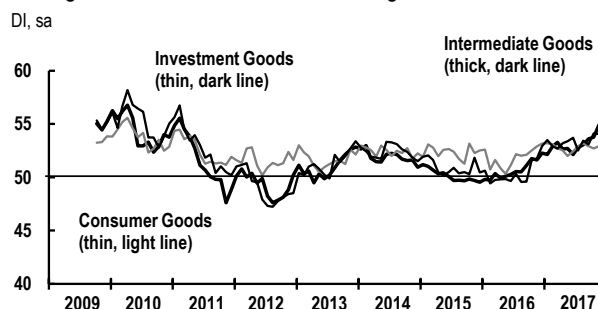
#### Commenting on the survey, David Hensley, Director of Global Economic Coordination at J.P.Morgan, said:

“The performance of the global manufacturing sector continued to strengthen at the end of the year, with growth of output, new orders and employment reaching levels last achieved in early-2011. Improved inflows of new business, rising backlogs of work and improved business optimism all point to this robust upswing in output growth being carried over into 2018.”

**JPMorgan Global Manufacturing PMI**



**JPMorgan Global PMI Sectors: Manufacturing PMI**



#### Global Manufacturing PMI™ Summary

50 = no change on prior month.

Index	Nov.	Dec.	+/-	Summary
Global PMI	54.1	54.5	+	Rising, faster rate
Output	55.0	55.6	+	Rising, faster rate
New Orders	55.2	55.8	+	Rising, faster rate
New Exports	53.7	53.8	+	Rising, faster rate
Employment	52.8	53.1	+	Rising, faster rate
Input Prices	62.2	61.2	-	Rising, slower rate
Output Prices	54.3	53.7	-	Rising, slower rate
Future Output	63.1	63.8	+	Positive, greater extent

## Contact Information:

For economics comments, data and technical queries, please call:

### IHS Markit

Rob Dobson  
 Director  
 Telephone: +44-1491-461-095  
 Mobile: +44-7826-913-863  
 Email: [rob.dobson@ihsmarkit.com](mailto:rob.dobson@ihsmarkit.com)

### IHS Markit Press Office

Joanna Vickers  
 Corporate Communications  
 Telephone: +44-207-260-2234  
 Email: [joanna.vickers@ihsmarkit.com](mailto:joanna.vickers@ihsmarkit.com)

### J.P.Morgan Chase Bank

David Hensley  
 Director of Global Economics  
 Coordination  
 Telephone: +1-212-834-5516  
 Email: [david.hensley@jpmorgan.com](mailto:david.hensley@jpmorgan.com)

## Notes to Editors:

The Global Report on Manufacturing is compiled by IHS Markit based on the results of surveys covering over 12,000 purchasing executives in over 40 countries. Together these countries account for an estimated 95% of global manufacturing output<sup>2</sup>. Questions are asked about real events and are not opinion based. Data are presented in the form of diffusion indices, where an index reading above 50.0 indicates an increase in the variable since the previous month and below 50.0 a decrease.

## Data Sources:

Country	% Share of global GDP <sup>2</sup>	Producer	In association with	Website
United States <sup>1</sup> :				
After January 2010	22.2%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
Before Feb-2010	22.2%	ISM	–	<a href="http://www.ism.ws">www.ism.ws</a>
China	11.9%	IHS Markit	Caixin	<a href="http://www.caixin.com">www.caixin.com</a>
Japan	7.6%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Germany	4.9%	IHS Markit	BME	<a href="http://www.bme.de">www.bme.de</a>
France	3.7%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
United Kingdom	3.6%	IHS Markit	CIPS	<a href="http://www.cips.org">www.cips.org</a>
Brazil	3.1%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
India	3.1%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Italy	2.7%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
Canada	2.4%	IHS Markit	SCMA	<a href="http://www.scma.com">www.scma.com</a>
Russia	2.2%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
Spain	1.9%	IHS Markit	AERCE	<a href="http://www.aerce.org">www.aerce.org</a>
Australia	1.7%	IHS Markit	Commonwealth Bank	<a href="http://www.commbank.com.au">www.commbank.com.au</a>
South Korea	1.7%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Mexico	1.6%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
Indonesia	1.3%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Turkey	1.2%	IHS Markit	Istanbul Chamber of Industry	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
Netherlands (The)	1.2%	IHS Markit	NEVI	<a href="http://www.nevi.nl">www.nevi.nl</a>
Saudi Arabia <sup>3</sup>	0.9%	IHS Markit	Emirates NBD	<a href="http://www.emiratesnbd.com">www.emiratesnbd.com</a>
Switzerland	0.8%	procure.ch	Credit Suisse	<a href="http://www.procure.ch">www.procure.ch</a> , <a href="http://www.credit-suisse.ch">www.credit-suisse.ch</a>
Taiwan	0.8%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Poland	0.7%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
Nigeria <sup>3</sup>	0.6%	IHS Markit	Stanbic IBTC Bank	<a href="http://www.stanbicibtcbank.com/">www.stanbicibtcbank.com/</a>
South Africa <sup>3</sup>	0.6%	IHS Markit	Standard Bank	<a href="http://www.standardbank.com">www.standardbank.com</a>
Austria	0.5%	IHS Markit	Unicredit Bank Austria	<a href="http://www.bankaustria.at">www.bankaustria.at</a> , <a href="http://einkauf.opwz.com">http://einkauf.opwz.com</a>
Thailand	0.5%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
UAE <sup>3</sup>	0.5%	IHS Markit	Emirates NBD	<a href="http://www.emiratesnbd.com">www.emiratesnbd.com</a>
Malaysia	0.4%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Denmark	0.4%	DILF	Kairoscommodities	<a href="http://www.dilf.dk">www.dilf.dk</a> , <a href="http://www.kairoscommodities.com">www.kairoscommodities.com</a>
Ireland	0.4%	IHS Markit	Investec	<a href="http://www.investec.co.uk">www.investec.co.uk</a>
Singapore <sup>3</sup>	0.4%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Israel	0.4%	IPLMA	Bank Hapoalim Ltd	<a href="http://www.iplma.org.il">www.iplma.org.il</a> , <a href="http://www.bankhapoalim.co.il">http://www.bankhapoalim.co.il</a>
Philippines (The)	0.4%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Hong Kong <sup>3</sup>	0.4%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Egypt <sup>3</sup>	0.3%	IHS Markit	Emirates NBD	<a href="http://www.emiratesnbd.com">www.emiratesnbd.com</a>
Greece	0.3%	IHS Markit	HPI	<a href="http://www.hpi.org">www.hpi.org</a>
Czech Republic	0.3%	IHS Markit	–	<a href="http://www.ihsmarkit.com">www.ihsmarkit.com</a>
New Zealand	0.2%	Business NZ	Bank of New Zealand	<a href="http://www.businessnz.org.nz">www.businessnz.org.nz</a> , <a href="http://www.bnz.co.nz">www.bnz.co.nz</a>
Vietnam	0.2%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Hungary	0.2%	HALPIM	Hungarian National Bank	<a href="http://www.logisztika.hu">www.logisztika.hu</a>
Myanmar	0.1%	IHS Markit	Nikkei	<a href="http://www.nikkei.co.jp/nikkeiinfo/en/">www.nikkei.co.jp/nikkeiinfo/en/</a>
Kenya <sup>3</sup>	0.1%	IHS Markit	Stanbic Bank	<a href="http://www.cfcstanbicbank.co.ke">www.cfcstanbicbank.co.ke</a>
Lebanon <sup>3</sup>	0.1%	IHS Markit	BLOMINVEST Bank	<a href="http://www.blominvestbank.com">www.blominvestbank.com</a>

<sup>1</sup> Data from the IHS Markit survey of US manufacturing are included in the global manufacturing PMI composition from February 2010 onwards. Data prior to that date are based on the ISM US manufacturing survey.

<sup>2</sup> Source: World Bank World Development Indicators (2015 data, constant US\$ measure).

<sup>3</sup> For these nations, manufacturing sector responses are extracted from whole economy PMI surveys for inclusion in the Global Manufacturing PMI

## Methodology: Global Manufacturing PMI™ Indices

The Global Manufacturing PMI™ indices are all seasonally adjusted. The seasonal adjustment is applied at the national level (as opposed to at the global aggregate level) in order to account for differing seasonal patterns in each of the nations included. Global Manufacturing PMI™ indices are weighted according to national contributions to global manufacturing gross value added. Weights for the global indices are derived from the latest available World Bank data on the gross value added of manufacturing for each of the nations covered. World Bank data on value added are in constant 2010 US\$, with all national currencies converted to 2010 US\$ by the World Bank using DEC alternative conversion factors.

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