

Monthly PMI Bulletin

Global growth accelerates amid sector divergences at end of 2023

Monthly summary

The global economic expansion accelerated in December, though divergences between sectors and regions were observed. At the same time, inflation remained sticky, staying elevated by historical standards as risks of supply chain constraints emerged.

The [J.P.Morgan Global PMI Composite Output Index](#) – produced by S&P Global – rose to 51.0 in December, up from 50.5 in November. This marked a second consecutive month of growth, with the pace of expansion the fastest since July 2023. The headline PMI remains well below the survey’s long-run average of 53.2, however, and is consistent with an annualized quarterly global GDP growth of approximately 1.5%, a relatively modest rate of growth in comparison with the pre-pandemic ten-year average of 3.0%. Growth in activity remained exclusive to the service sector, as manufacturing output contracted for a seventh straight month.



Faster service sector growth contrasted with a quicker, albeit still mild, decline in manufacturing output. At the same time, expansions in business activity were driven by emerging markets as developed markets saw a fifth monthly fall in output. The impact of high interest rates remained a key factor dampening growth, though there were some signs of improvement in service sector new business at the end of the year.

Meanwhile, input cost inflation quickened at the end of 2023, though the pace in which selling prices increased was unchanged from November. Both manufacturing and service sectors recorded stronger rates of cost inflation at the end of the year amid signs of rising shipping costs on the back of increased supply chain risks. With selling prices showing some signs of stickiness at around the 3.0% level in the months to come, any risks of further price rises, especially stemming from supply constraints, will be worth watching out for as we await the next release of [flash PMI on January 24](#).

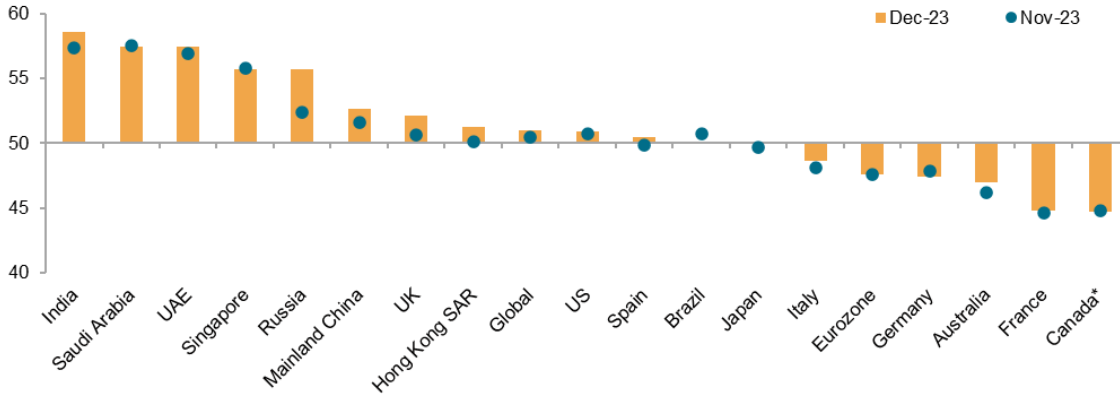
In short, our key takeaways from the December PMI are:

- 1) Improvements in global growth were observed at the end of 2023, though signs of divergences highlight the uneven recovery.
- 2) Price pressures, while subdued compared to the 2022 peak, remained elevated by historical standards. Amid risks of supply chain conditions worsening into 2024, the impact on prices and therefore demand will be worth watching.

Regional comparisons

S&P Global Composite PMI regional comparisons

S&P Global PMI (Purchasing Managers' Index) Output Index
Diffusion index (50 = no change on prior month)



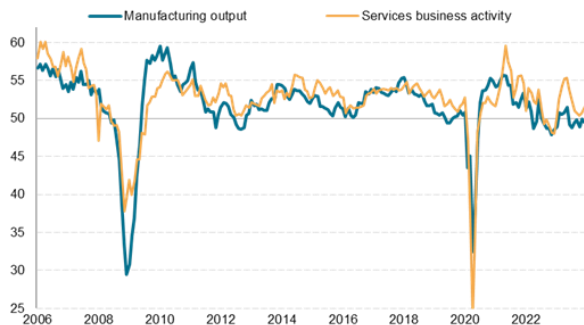
Sources: S&P Global PMI with au Jibun Bank, Caixin, CIPS, HCOB, HSBC, JPMorgan, Judo Bank, Riyad Bank © S&P Global 2024.

*Access our newly launched *S&P Global Canada Services PMI* press release [here](#).

The Good, the Bad, and the Ugly | Key PMI developments

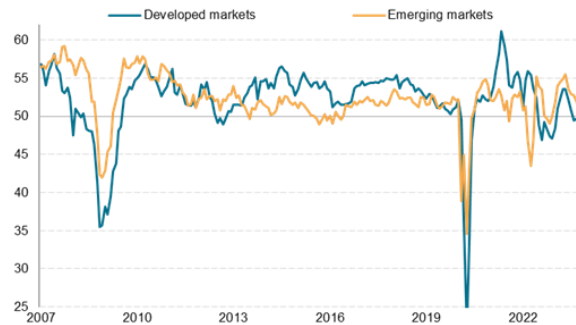
The Good: Global growth accelerates

Global PMI output by sector



Data compiled January 2024 including PMI data to December 2023.
PMI (Purchasing Managers' Index) value of 50 = no change on prior month.
Sources: S&P Global PMI with J.P.Morgan, S&P Global Market Intelligence.
© 2024 S&P Global.

Global PMI output by market

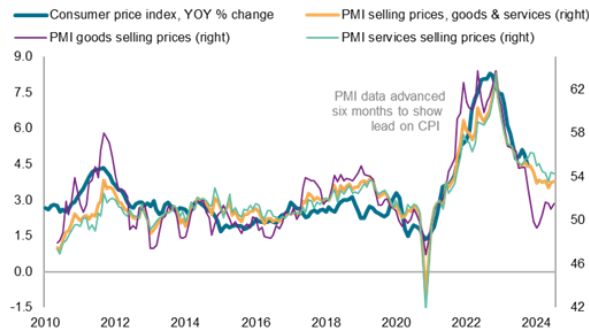


Data compiled January 2024 including PMI data to December 2023.
PMI index value of 50 = no change on prior month.
Sources: S&P Global PMI, S&P Global Market Intelligence, J.P. Morgan.
© 2024 S&P Global.

- Improvements in global growth were observed into the end of 2023, with the global economic expansion taking place at the quickest pace in five months.
- That said, divergences were apparent. Faster services activity growth contrasted with a sharper fall in manufacturing output. Emerging markets were also the main source of strength as developed markets remained in contraction for a fifth successive month.
- Overall, however, sentiment improved among global private sector firms into the end of the year. The level of business confidence was at the highest since June 2023 with optimism in both the manufacturing and service sectors having picked up from November.
- Read our [full analysis here](#).

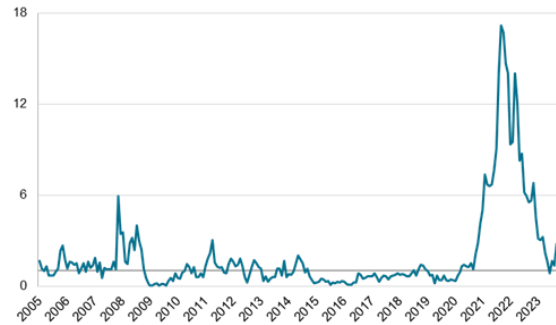
The Bad: Elevated prices

Global consumer price inflation and PMI selling prices



Data compiled January 2024 including PMI data to December 2023 advanced six months.
 PMI (Purchasing Managers' Index) value of 50 = no change on prior month.
 Sources: S&P Global PMI with J.P. Morgan, S&P Global Market Intelligence.
 © 2024 S&P Global.

S&P Global PMI: higher shipping costs as a driver of higher manufacturing prices

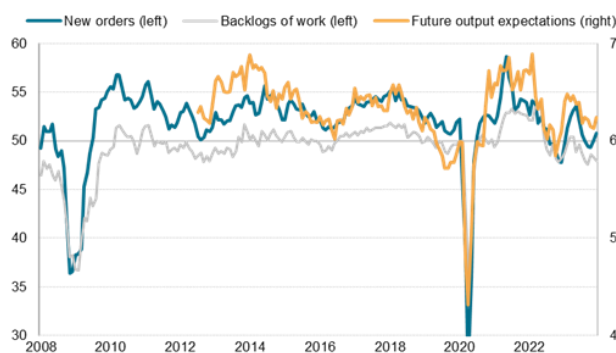


Data compiled January 2024 including PMI data to December 2023. Axis scale 1 = long term average.
 Source: S&P Global PMI.
 © 2024 S&P Global.

- While global growth accelerated, PMI price indicators suggested that the descent of inflation stalled into the end of 2023. Specifically, selling price inflation was unchanged from November, oscillating in the 53.0 to 53.7 range in the past seven months.
- The leading-indicator properties of the PMI outline the likelihood of global inflation easing further in the coming months, but the “last mile” progress to the 2.0% target level for global central banks remains elusive at present.
- Concurrently, we are also monitoring shipping costs as a driver for higher prices. This is while both manufacturing and service sector input cost inflation climbed in December. Shipping costs as a driver of higher manufacturing prices have become more prominent as geopolitical tensions in one of the world’s key trade route simmer.
- Read our [full analysis here](#).

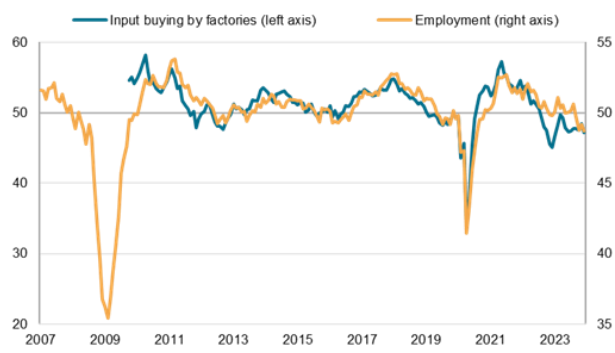
The Ugly: Subdued demand conditions persist

Global new orders, backlogs of work and business confidence



Data compiled January 2024 including PMI data to December 2023.
 PMI index value of 50 = no change on prior month, covers manufacturing and services.
 Source: S&P Global PMI with J.P. Morgan.
 © 2024 S&P Global.

Global manufacturing PMI purchasing activity and employment



Data compiled January 2024 including PMI data to December 2023.
 PMI (Purchasing Managers' Index) 50 = no change on prior month.
 Source: S&P Global PMI with J.P. Morgan.
 © 2024 S&P Global.

- The demand trend remains one to monitor even as new orders rose in December. Notably, the rate at which global new business expanded was marginal and limited to the service sector as manufacturing new orders fell at a faster rate. On the back of a sharper decline in backlogs, improvements in new orders must be sustained to keep global growth in motion.
- Additionally, manufacturers have trimmed their staff numbers and input purchases on the back of worsening demand conditions, which could further crimp production in the coming months.
- Read our [full analysis here](#).

Global PMI heatmap

Manufacturing

		Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23
Global	Global												
Americas	Brazil												
	Canada												
	Colombia												
	Mexico												
	US												
Europe	Eurozone												
	Austria												
	Czech Republic												
	France												
	Germany												
	Greece												
	Ireland												
	Italy												
	Netherlands												
	Poland												
	Spain												
	UK												
Asia Pacific	Australia												
	China (Mainland)												
	India												
	Indonesia												
	Japan												
	Kazakhstan												
	Malaysia												
	Myanmar												
	Philippines												
	South Korea												
	Taiwan												
	Thailand												
	Vietnam												
ASEAN													
Others	Russia												
	Turkey												

Source: S&P Global PMI in association with relevant sponsors.

Services

		Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23
Global	Global												
Americas	Brazil												
	Canada												
	US												
Europe	Eurozone												
	France												
	Germany												
	Ireland												
	Italy												
	Spain												
UK													
Asia Pacific	Australia												
	China (Mainland)												
	India												
	Japan												
	Kazakhstan												
Others	Russia												

Source: S&P Global PMI in association with relevant sponsors

Manufacturing indices

- Output*
- New orders*
- New export orders
- Backlogs of work
- Employment*
- Input prices
- Output prices
- Future expectations
- Quantity of purchases
- Suppliers' delivery times*
- Stocks of purchases*
- Stocks of finished goods

*PMI components

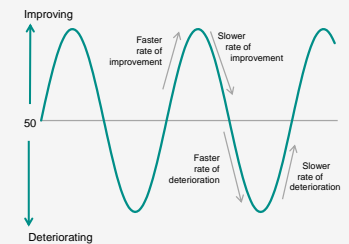
Services indices

- Business activity
- New business
- New export orders
- Outstanding business
- Employment
- Input costs
- Prices charged
- Future expectations

Read more about the headline PMI® and its subindices [here](#).

Key:

Improving at a faster rate	
Improving at a slower rate	
At neutral 50.0 mark	
Deteriorating at a slower rate	
Deteriorating at a faster rate	



To receive underlying PMI data, please contact: economics@spglobal.com

Composite / Whole Economy

		Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23
Global	Global												
Americas	Brazil												
	Canada												
	US												
Europe	Eurozone												
	France												
	Germany												
	Ireland												
	Italy												
	Spain												
	UK												
Asia Pacific	Australia												
	China (Mainland)												
	Hong Kong SAR												
	India												
	Japan												
	Khazakstan												
	Singapore												
Middle East	Lebanon												
	Qatar												
	Saudi Arabia												
	UAE												
Africa	Egypt												
	Ghana												
	Kenya												
	Mozambique												
	Nigeria												
	South Africa												
	Uganda												
	Zambia												
Others	Russia												

Source: S&P Global PMI in association with relevant sponsors

Metal Users (trend) and Electronics

		Jan'23	Feb'23	Mar'23	Apr'23	May'23	Jun'23	Jul'23	Aug'23	Sep'23	Oct'23	Nov'23	Dec'23
Global	Aluminium												
	Copper												
	Steel												
	Electronics												

Source: S&P Global PMI in association with relevant sponsors

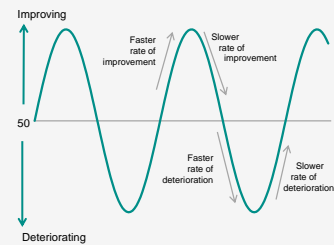
Composite indices comprise:

- Output/business activity
- New business
- New export orders
- Outstanding business
- Employment
- Input costs
- Output prices
- Future expectations

Read more about the headline PMI® and its subindices [here](#).

Key:

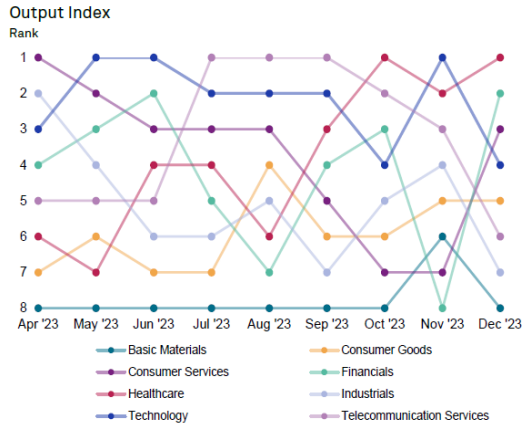
Improving at a faster rate	
Improving at a slower rate	
At neutral 50.0 mark	
Deteriorating at a slower rate	
Deteriorating at a faster rate	



To receive underlying PMI data, please contact: economics@spglobal.com

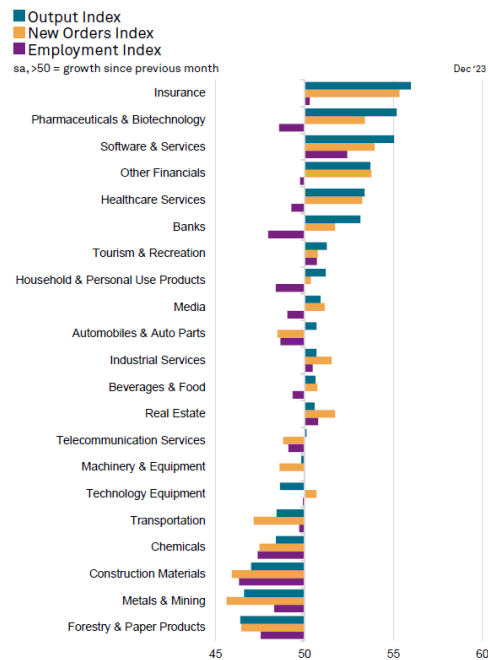
Global Sector PMI

The latest S&P Global Sector PMI® data revealed that a majority of sectors recorded higher output again in December. *Healthcare* led the expansion among the **eight industry groups**, though notably, it was *Financials* which shot through the ranks to second position in the latest survey period.



Source: S&P Global PMI.

Improvements were more visible **amongst the more detailed sectors**, whereby three of the top six fastest growing sectors came from the broader financial services industry. On the other hand, most of the sectors recording lower output were unsurprisingly manufacturing sectors. *Forestry & Paper Products* and *Metals & Mining* were the worst performers in December.



Source: S&P Global PMI.

For more global sector PMI details, please visit [here](#) or contact economics@spglobal.com to receive underlying PMI data.

Sector data is also available for US, Europe and Asia. Read more about using PMI data in active investment strategies [here](#).

Recent PMI and economic analysis from S&P Global Market Intelligence

Global	Trade conditions remain in decline at end of 2023	8-Jan	Jingyi Pan
	Global PMI ends 2023 on brighter note, but wide divergences persist	5-Jan	Chris Williamson
	Global PMI data point to stalled descent of inflation	4-Jan	Chris Williamson
	Global factory job losses gather pace as demand weakness persists at close of 2023	2-Jan	Chris Williamson
	Flash PMIs point to widening growth divergences as 2023 draws to a close	18-Dec	Chris Williamson
	Monthly PMI Bulletin: December 2023	14-Dec	Jingyi Pan
	Deterioration of global trade conditions ease in November	7-Dec	Jingyi Pan
EMEA	Flash PMI points to UK economy ending 2023 on a more positive note	15-Dec	Chris Williamson
	Recession indicated as eurozone flash PMI signals deepening decline in December	15-Dec	Chris Williamson
Americas	Looser financial conditions boost economic growth in December and add hope to 2024 US outlook	5-Jan	Chris Williamson
	US factories end 2023 on soft note amid signs of excess operating capacity	2-Jan	Chris Williamson
Asia-Pacific	APAC economic outlook for 2024 remains bright	5-Jan	Rajiv Biswas
	Philippines economy shows robust growth into the new year	22-Dec	Rajiv Biswas

For PMI use-case illustrations, visit our [use-case library](#).

Shifting Sands: Economic Trends Impacting Global Economies in 2023-4

We study history to learn lessons from the past, helping us better understand the current environment and assess the likely future. Read this detailed review of some of the key signals from the Purchasing Managers' Index™ (PMI®) business survey data in 2023. With global and region-specific coverage and insights giving you an indication of what these trends mean for the global economy as we head into 2024.

[Download report](#)

The image displays a collection of S&P Global Market Intelligence reports and data visualizations. On the left, the cover of the 'Global PMI Overview' report is shown, featuring a desert landscape and the title 'Shifting Sands: Economic Trends Impacting Global Economies in 2023-24'. In the center, there are several line charts illustrating PMI data for various regions and indicators, including 'Global PMI Overview', 'Manufacturing PMI', and 'Services PMI'. On the right, the cover of the 'Canada' report is visible, featuring a bar chart and the title 'Shifting Sands: Economic Trends Impacting Global Economies | 2023-24'. The reports provide detailed analysis of economic trends and their implications for the global economy in 2023 and 2024.

Release calendar

UTC		Local		Product
09 Jan 15:00	09 Jan 10:00	UTC-5	EST	US Investment Manager Index
23 Jan 22:00	24 Jan 09:00	UTC+11	AEDT	Flash Australia PMI*
24 Jan 00:30	24 Jan 09:30	UTC+9	JST	Flash Japan PMI*
24 Jan 08:15	24 Jan 09:15	UTC+1	CET	Flash France PMI*
24 Jan 08:30	24 Jan 09:30	UTC+1	CET	Flash Germany PMI*
24 Jan 09:00	24 Jan 10:00	UTC+1	CET	Flash Eurozone PMI*
24 Jan 09:30	24 Jan 09:30	UTC	GMT	Flash UK PMI*
24 Jan 14:45	24 Jan 09:45	UTC-5	EST	Flash US PMI*
29 Jan 09:00	29 Jan 10:00	UTC+1	CET	Austria Manufacturing PMI
31 Jan 22:00	01 Feb 09:00	UTC+11	AEDT	Australia Manufacturing PMI
01 Feb 00:30	01 Feb 07:00	UTC+6.5	MMT	Myanmar Manufacturing PMI
01 Feb 00:30	01 Feb 08:30	UTC+8	CST	Taiwan Manufacturing PMI
01 Feb 00:30	01 Feb 08:30	UTC+8	MYT	Malaysia Manufacturing PMI
01 Feb 00:30	01 Feb 07:30	UTC+7	WIB	Indonesia Manufacturing PMI
01 Feb 00:30	01 Feb 07:30	UTC+7	ICT	Vietnam Manufacturing PMI
01 Feb 00:30	01 Feb 09:30	UTC+9	KST	South Korea Manufacturing PMI
01 Feb 00:30	01 Feb 08:30	UTC+8	PHT	Philippines Manufacturing PMI
01 Feb 00:30	01 Feb 07:30	UTC+7	ICT	Thailand Manufacturing PMI
01 Feb 00:30	01 Feb 07:30	UTC+7	ICT	ASEAN Manufacturing PMI
01 Feb 00:30	01 Feb 09:30	UTC+9	JST	Japan Manufacturing PMI
01 Feb 01:01	01 Feb 01:01	UTC	GMT	Ireland Manufacturing PMI
01 Feb 01:45	01 Feb 09:45	UTC+8	CST	China General Manufacturing PMI
01 Feb 05:00	01 Feb 10:30	UTC+5.5	IST	India Manufacturing PMI
01 Feb 06:00	01 Feb 09:00	UTC+3	MSK	Russia Manufacturing PMI
01 Feb 06:00	01 Feb 07:00	UTC+1	CET	Netherlands Manufacturing PMI
01 Feb 06:00	01 Feb 12:00	UTC+6	ALMT	Kazakhstan Manufacturing PMI
01 Feb 07:00	01 Feb 10:00	UTC+3	TRT	Turkey Manufacturing PMI
01 Feb 08:00	01 Feb 09:00	UTC+1	CET	Poland Manufacturing PMI
01 Feb 08:15	01 Feb 09:15	UTC+1	CET	Spain Manufacturing PMI
01 Feb 08:30	01 Feb 09:30	UTC+1	CET	Czech Republic Manufacturing PMI
01 Feb 08:45	01 Feb 09:45	UTC+1	WAT	Nigeria PMI
01 Feb 08:45	01 Feb 09:45	UTC+1	CET	Italy Manufacturing PMI
01 Feb 08:50	01 Feb 09:50	UTC+1	CET	France Manufacturing PMI
01 Feb 08:55	01 Feb 09:55	UTC+1	CET	Germany Manufacturing PMI
01 Feb 09:00	01 Feb 11:00	UTC+2	EET	Greece Manufacturing PMI
01 Feb 09:00	01 Feb 10:00	UTC+1	CET	Eurozone Manufacturing PMI
01 Feb 09:30	01 Feb 09:30	UTC	GMT	UK Manufacturing PMI
01 Feb 13:00	01 Feb 10:00	UTC-3	BRT	Brazil Manufacturing PMI
01 Feb 14:30	01 Feb 09:30	UTC-5	EST	Canada Manufacturing PMI
01 Feb 14:45	01 Feb 09:45	UTC-5	EST	US Manufacturing PMI
01 Feb 15:00	01 Feb 10:00	UTC-5	COT	Colombia Manufacturing PMI
01 Feb 15:00	01 Feb 09:00	UTC-6	CST	Mexico Manufacturing PMI
01 Feb 16:00	01 Feb 11:00	UTC-5	EST	Global Manufacturing PMI
04 Feb 22:00	05 Feb 09:00	UTC+11	AEDT	Australia Services PMI*
05 Feb 00:30	05 Feb 08:30	UTC+8	SST	Singapore PMI
05 Feb 00:30	05 Feb 08:30	UTC+8	HKT	Hong Kong SAR PMI
05 Feb 00:30	05 Feb 09:30	UTC+9	JST	Japan Services PMI*
05 Feb 01:45	05 Feb 09:45	UTC+8	CST	China General Services PMI*
05 Feb 04:15	05 Feb 07:15	UTC+3	AST	Saudi Arabia PMI
05 Feb 04:15	05 Feb 08:15	UTC+4	GST	United Arab Emirates PMI
05 Feb 05:00	05 Feb 10:30	UTC+5.5	IST	India Services PMI*
05 Feb 05:15	05 Feb 07:15	UTC+2	EET	Egypt PMI
05 Feb 06:00	05 Feb 09:00	UTC+3	MSK	Russia Services PMI*

05 Feb 06:00	05 Feb 09:00	UTC+3	EAT	Uganda PMI
05 Feb 06:00	05 Feb 08:00	UTC+2	CAT	Mozambique PMI
05 Feb 06:00	05 Feb 12:00	UTC+6	ALMT	Kazakhstan Services PMI*
05 Feb 07:15	05 Feb 09:15	UTC+2	SAST	South Africa PMI
05 Feb 07:30	05 Feb 10:30	UTC+3	EAT	Kenya PMI
05 Feb 08:15	05 Feb 09:15	UTC+1	CET	Spain Services PMI*
05 Feb 08:30	05 Feb 10:30	UTC+2	CAT	Zambia PMI
05 Feb 08:45	05 Feb 09:45	UTC+1	CET	Italy Services PMI*
05 Feb 08:50	05 Feb 09:50	UTC+1	CET	France Services PMI*
05 Feb 08:55	05 Feb 09:55	UTC+1	CET	Germany Services PMI*
05 Feb 09:00	05 Feb 11:00	UTC+2	EET	Lebanon PMI
05 Feb 09:00	05 Feb 12:00	UTC+3	AST	Qatar PMI
05 Feb 09:00	05 Feb 10:00	UTC+1	CET	Eurozone Services PMI*
05 Feb 09:00	05 Feb 09:00	UTC	GMT	Ghana PMI
05 Feb 09:30	05 Feb 09:30	UTC	GMT	UK Services PMI*
05 Feb 13:00	05 Feb 10:00	UTC-3	BRT	Brazil Services PMI*
05 Feb 14:30	05 Feb 09:30	UTC-5	EST	Canada Services PMI*
05 Feb 14:45	05 Feb 09:45	UTC-5	EST	US Services PMI*
05 Feb 14:45	05 Feb 09:45	UTC-5	EST	US Sector PMI
05 Feb 16:00	05 Feb 11:00	UTC-5	EST	Global Services PMI*
06 Feb 00:30	06 Feb 08:30	UTC+8	HKT	Asia Sector PMI
06 Feb 01:01	06 Feb 01:01	UTC	GMT	Ireland Services PMI*
06 Feb 08:30	06 Feb 09:30	UTC+1	CET	Italy Construction PMI
06 Feb 08:30	06 Feb 09:30	UTC+1	CET	France Construction PMI
06 Feb 08:30	06 Feb 09:30	UTC+1	CET	Germany Construction PMI
06 Feb 08:30	06 Feb 09:30	UTC+1	CET	Eurozone Construction PMI
06 Feb 09:30	06 Feb 09:30	UTC	GMT	UK Construction PMI
06 Feb 09:30	06 Feb 09:30	UTC	GMT	Europe Sector PMI
06 Feb 09:30	06 Feb 09:30	UTC	GMT	Global Sector PMI
07 Feb 07:00	07 Feb 07:00	UTC	GMT	UK House Price Index
07 Feb 09:00	07 Feb 09:00	UTC	GMT	Global Aluminium Users PMI
07 Feb 09:00	07 Feb 09:00	UTC	GMT	Global Copper Users PMI
07 Feb 09:00	07 Feb 09:00	UTC	GMT	Global Steel Users PMI
07 Feb 09:30	07 Feb 09:30	UTC	GMT	Global Electronics PMI
08 Feb 00:01	08 Feb 00:01	UTC	GMT	UK & English Regions Report on Jobs
08 Feb 00:01	08 Feb 00:01	UTC	GMT	Scotland Report on Jobs
09 Feb 04:15	09 Feb 08:15	UTC+4	GST	Dubai PMI
12 Feb 00:01	12 Feb 00:01	UTC	GMT	UK Regional PMI
12 Feb 01:01	12 Feb 01:01	UTC	GMT	Ireland Construction PMI

Notes

Press release of indices produced by S&P Global and relevant sponsors can be found at <https://www.pmi.spglobal.com/Public/Release/PressReleases>.

Dates are provisional and subject to change *includes composite PMI.

Last updated: 14 December 2023.

The intellectual property rights to the data provided herein are owned by or licensed to S&P Global and/or its affiliates. Any unauthorised use, including but not limited to copying, distributing, transmitting or otherwise of any data appearing is not permitted without S&P Global's prior consent. S&P Global 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 S&P Global be liable for any special, incidental, or consequential damages, arising out of the use of the Data.

Purchasing Managers' Index™ and PMI® are either trade marks or registered trade marks of S&P Global Inc or licensed to S&P Global Inc and/or its affiliates.

This report was published by S&P Global Market Intelligence and not by S&P Global Ratings, which is a separately managed division of S&P Global.

Links to more resources

- [Sign up to receive updated commentary in your inbox here.](#)
- [Calendar of upcoming PMI releases](#)
- [Running commentary on the PMI survey findings](#)
- [PMI Frequently Asked Questions](#)
- [Background to the PMIs \(video\)](#)
- [Understanding the headline PMI and its various subindices](#)
- [PMI data use-case illustrations](#), from nowcasting to investment strategy
- [PMI podcasts](#)
- [How to subscribe](#) to PMI data

CONTACT US**Jingyi Pan**

Economics Associate Director
S&P Global Market Intelligence
Singapore

T : +65 6439 6022

jingyi.pan@spglobal.com

The Americas

+1-877-863-1306

EMEA

+44-20-7176-1234

Asia-Pacific

+852-2533-3565

spglobal.com/marketintelligence/en/mi/products/pmi.html