

The logo for Advanced Micro Foundry (amf) features the lowercase letters 'amf' in a white, sans-serif font, set against a solid red circular background.

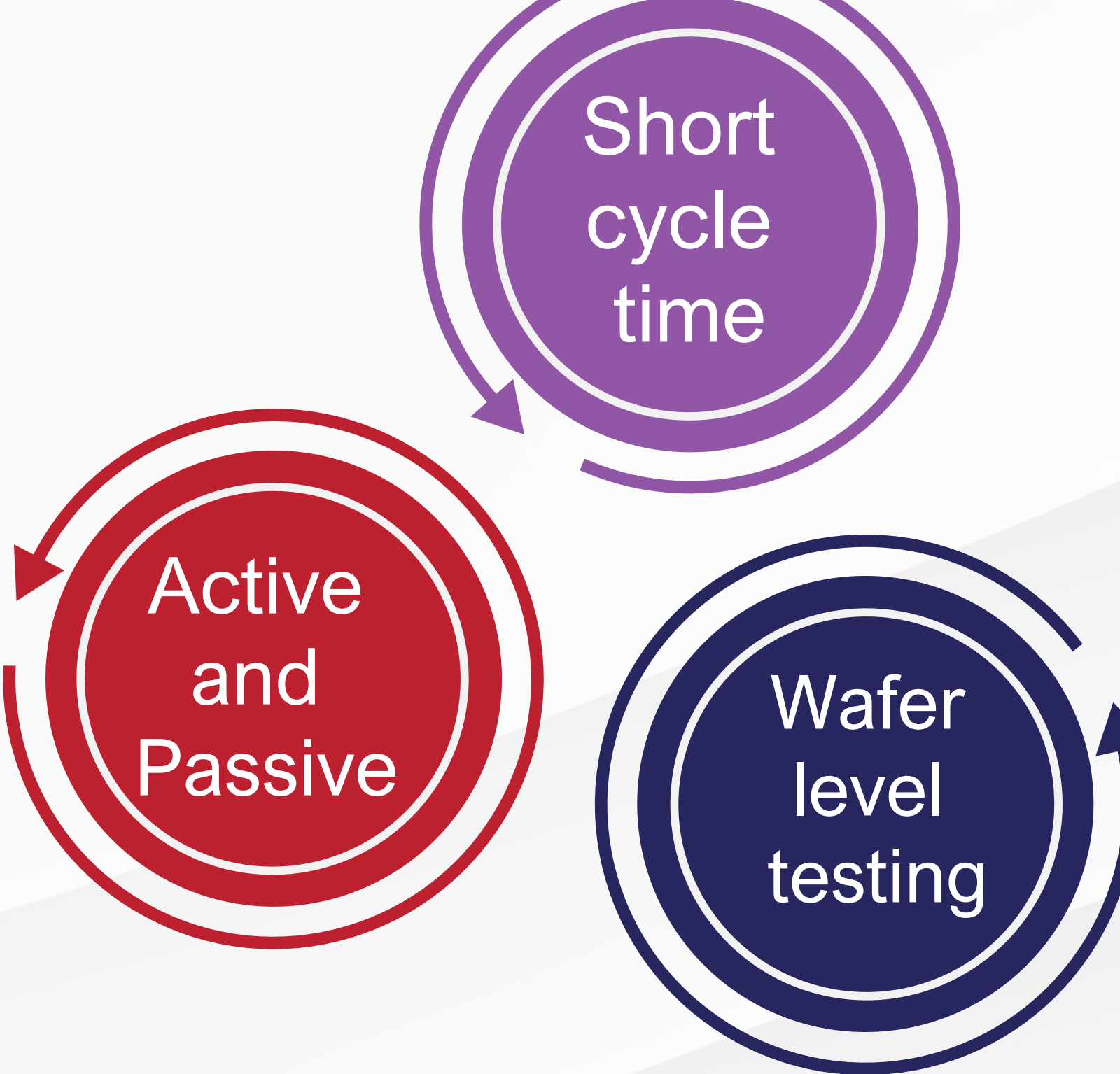
ADVANCED
MICRO
FOUNDRY

Silicon Photonics MPW Services

Turn your ideas into prototypes

11 Science Park Road
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Advanced Micro Foundry is a leading commercial pure-play Silicon Photonics specialty foundry based in Singapore. With over 20-year track record in Silicon Photonics research, AMF’s comprehensive MPW services are widely utilized by Silicon Photonics designed, as the ideal platform to validate your designs.



Platforms

- 1.Silicon-on-Insulator (SOI)
- 2.Silicon Nitride-on-SOI

Process

- 1.24 Masked layers
- 2.Implantations for high speed modulators
- 3.Integrated Germanium epitaxy for photodetectors
- 4.Silicon and Silicon Nitride waveguides
- 5.Heater and open oxide window (for sensing applications)

Building blocks

- 1.Waveguides, Edge/Grating Couplers
- 2.Polarization Rorator/Splitter
- 3.High speed Photodetector
- 4.High speed Modulator, and many more

PDK Software

- 1.Cadence
- 2.KLayout
- 3.Luceda
- 4.Lumerical
- 5.Synopsys (PhoeniX OptoDesigner & RSoft OptSim)

MPW Schedule

Shuttle Run	2025 Run 1	2025 Run 2	2025 Run 3	2025 Run 4	2025 Run 5	2025 Run 6
Final DRC – Clean Due Date*	1 Jan	1 Mar	1 May	1 Jul	1 Sep	1 Nov

* Please submit GDS by 15th of the previous month for design rule check (DRC). Any DRC violation must be waived by this date.

Please contact us for ad hoc shuttle run requests.



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