

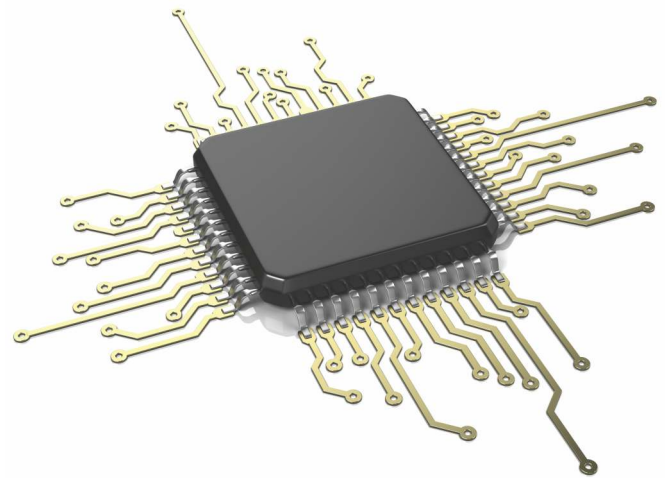
WIPRO'S TURNKEY ASIC SOLUTION

Enabling cost-effective platforms and delivering maximum productivity for OEMs

Equipment vendors are today forced to use platform-based solutions in medical, industrial & automation applications etc. to enable the efficient use of hardware and software. This means that the platform created has to be cost effective, and must enable sufficient levels of differentiation. In applications like remote patient monitoring, telemetry and navigation, OEMs have no other option but to bring forth custom ASICs to enable product differentiation. However, such applications are typically low to medium volumes, which don't find much favor with typical ASIC houses.

Great Benefits Delivered through a Turnkey Model

With sub-micron technology capabilities and core design expertise, Wipro addresses these challenges effectively. Our efforts are focused on developing a workflow to optimize productivity of post-GDS activities, and offer cost efficiency to the customer. Our solutions are enabled through our extensive industry knowledge, and partnerships with manufacturing vendors.

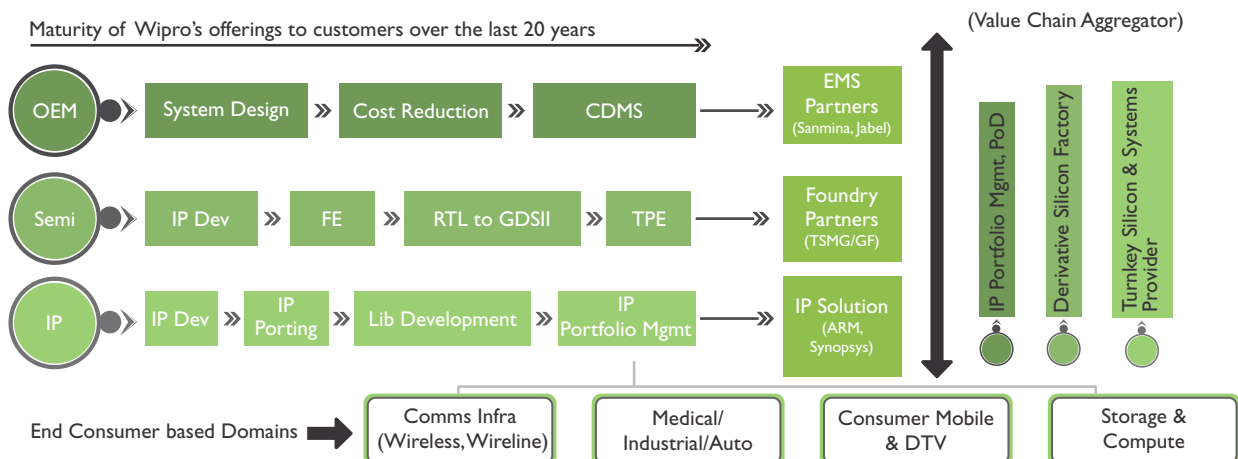


Formidable Domain Experience: Our domain capability enables us to provide silicon & product engineering services for medical, automotive, industrial applications, multi-market wireless and multi-media solutions.

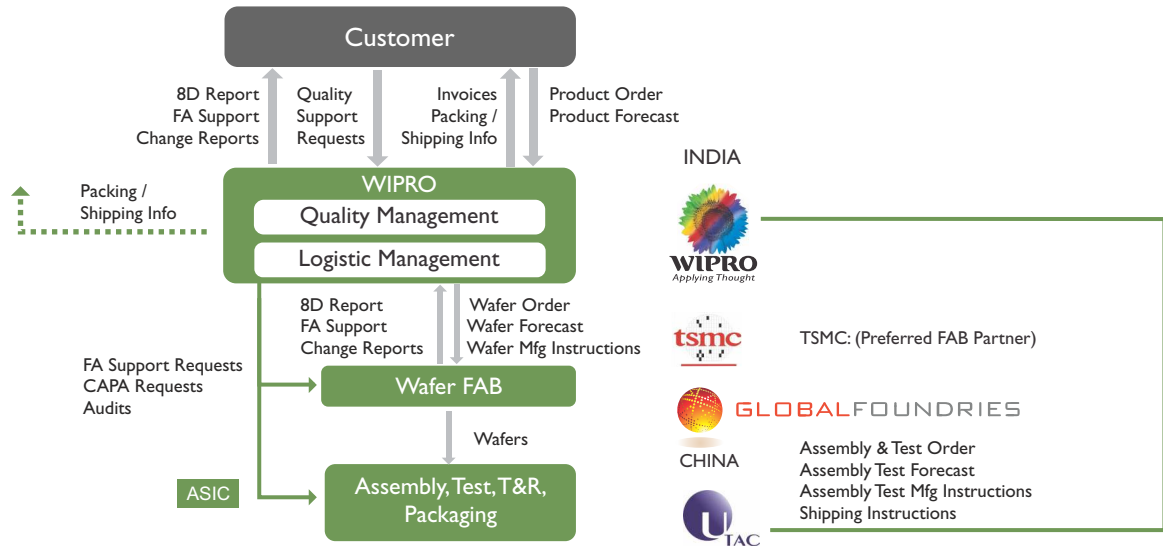
Spec-to-Silicon-to-Reference-Kit: Integrated development expertise and industry/ecosystem/supply chain partnerships.

Functional Skills: Wipro's strong expertise in front-end design/verification, layout, analog, and RF design enables us to have an end-to-end ownership.

Turnkey Offerings Landscape



Wipro's Turnkey Model



Key Benefits

ASIC-House Alternative: Freedom in choice of IPs, fab & process node; highly cost effective

Hands-Off Outsourcing: Customer dependency minimized due to Wipro's domain expertise spanning across market segments

Wipro Advantage

- **Industry Pedigree:** The world's largest R&D Service provider, serving customers for more than 25 years
- **One-Stop Shop:** Engineering workforce that enables complete ownership
- **Process-Driven Pedigree:** Constantly evolving engineering processes that ensure Design-Right-First-Time & Six Sigma quality
- **Silicon Supply Chain Enablement:** Wipro is currently shipping silicon in medium-high volumes (2mn units a year)
- **Commercial Models:** Flexible commercial models based upon business constraints of customers

Wipro's Successful Engagements

Customer	Domain	Project	Relationship	Silicon Tapeouts
US-IDM	Consumer, Auto, Mobile	Body, Airbag, Telematics	> 10 years	100+
Asian-IDM	Industrial Micros, Storage	MCU Derivatives	>6 years	25
Asian-IDM	Consumer	DTV, App Processors	> 1 year	2
European-IDM	Industrial Micros	MCU Derivatives	>4 years	10
European-IDM	Consumer	DTV	>3 years	6
Asian-IDM	Consumer	Mobile App Processor Verification	> 1 year	2

DO BUSINESS BETTER

NYSE:WIT | OVER 135,000 EMPLOYEES | 54 COUNTRIES

CONSULTING | SYSTEM INTEGRATION | OUTSOURCING

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