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BRINGING HIGH-IMPACT INNOVATION AND QUALITY TO HEALTHCARE WITH TURNKEY ASIC SOLUTIONS

We leverage 21 years of experience in Analog, RF, and mixed-signal IC design and ASIC supply to meet the unique demands of the medical industry



The healthcare and medical electronics space demands cutting-edge innovation and high quality products to maintain a competitive edge. Developing successful medical systems for complex applications takes deep domain expertise and a rigorous, proven approach to quality.

Cyient brings a breadth and depth of experience to take on the most challenging projects in healthcare including medical patches, implants, diagnostics, and medical imaging. Our proven capabilities allow us to deliver complete projects on-time and without cost overruns—from proof of concept design, ASIC design, lab validation, industrialization, to high-volume production and supply.

Our expertise in the healthcare sector and in ASIC allow us to deliver solutions that feature:



INNOVATION ON CHIP

Our expertise for the healthcare market



Exclusive relationship, more value

We partner with you in taking your expertise in products and applications into a small ASIC by managing the complete lifecycle from design requirements to low as well as high-volume production until end-of-life, compliant with the medical ISO13485 quality standard.





Design

Validation

ASIC Supply



System &

Concept Design

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Healthcare ASIC success stories



Developed battery-less wireless sensor ASIC to diagnose glaucoma



Delivered three generations of ultra-low power FM receiver ICs for hearing aids



Built an ultra-low power wake-up receiver for a Deep Brain Simulation implant



Developed a power management system for cochlear hearing implants

The partnership with AnSem strengthens our own ASIC capabilities. Delivering working silicon requires close collaboration and team work. We succeeded despite the geographical separation.

- Tony Nygard, Manager Enabling Technologies & Tech Development, Cochlear

Going beyond the state-of-theart in low-power, low-voltage RF circuit design requires a very skilled and openminded development team. Intense collaboration, skill and engagement between our teams were instrumental in achieving the desired results.

- Dr. Rainer Platz, Head of R&D Department, PHONAK



Child Trauma



- Analog, RF and mixed-signal ASIC solutions are backed by more than 20 years of experience.
- 600+ proven IPs in the database
- ISO9001, ISO13485 qualified
- In-house productization (prototype, assembly, ATE, platform, tape and reel)
- High volume production experience

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- Tight quality assurance system
- Proven, High Quality Supply Chain partners
- Proven first time functional design record
- Over 1500 ASIC tapeout experience

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About Cyient

Cyient (Estd: 1991, NSE: CYIENT) is a global engineering and technology solutions company. As a Design, Build, and Maintain partner, for leading organizations worldwide, we take solution ownership across the value chain to help clients focus on their core, innovate, and stay ahead of the curve. We leverage digital technologies, advanced analytics capabilities, and our domain knowledge and technical expertise, to solve complex business problems.

With over 15,000 employees in 20 countries, we partner with clients to operate as part of their extended team in ways that best suit their organization's culture and requirements. Our industry focus includes aerospace and defense, healthcare, telecommunications, rail transportation, semiconductor, geospatial, industrial, and energy.

For more information, please visit www.cyient.com

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