CYIENT
Nothing Less



Giving Every AI Idea a Faster Path to Proof

How an innovation CoE expanded PoC capacity 5x and shortened the journey from ideation to deployment

Business challenge

For the global medical technology OEM, AI was becoming central to the next wave of product innovation. But moving promising concepts beyond experimentation required each use case to satisfy rigorous clinical, business, technical, and compliance requirements. With limited specialist capacity, PoCs could only be evaluated one at a time.

Promising concepts stalled in the queue, validation cycles lengthened, and internal teams had less capacity to determine which ideas could deliver enterprise value—and which should be stopped early. The business needed to:

- Evaluate multiple AI use cases in parallel without adding internal headcount
- Unify clinical, commercial, technical, and compliance validation in one repeatable process
- Surface high-potential concepts earlier and create a clear path from PoC to productization
- Cut the time and friction between ideation, evidence, investment decisions, and deployment

The need was not simply for more PoC capacity, but for a scalable validation engine that could turn AI ideas into evidence-backed decisions and viable products.

The Cyient solution

Cyient created a dedicated AI Innovation CoE that combined ideation, parallel experimentation, and cross-functional validation in one scalable operating model.

- Ran structured ideation workshops to shape and prioritize use cases
- Executed multiple PoCs simultaneously to increase validation capacity
- Tested and refined AI models against clinical and business requirements
- Embedded compliance reviews into the workflow to support productization readiness
- Established continuous feedback loops for faster, evidence-based decisions
- Used flexible commercial models to advance promising concepts and new IP without burdening internal teams

Business benefits

The CoE replaced fragmented experimentation with a repeatable innovation engine—helping the client validate faster, explore more opportunities, and move stronger concepts toward deployment with greater confidence.

- Accelerated time to validation by **60%**
- Increased parallel PoC capacity **5x** without added internal headcount
- Reduced the ideation-to-deployment cycle by **40%**
- Protected internal bandwidth while sustaining a **multi-use-case AI pipeline**
- Created a scalable foundation for productization and long-term enterprise **AI adoption**

Engineering excellence. Nothing Less.

AI value did not come from running more isolated experiments. It came from giving every idea a disciplined route to evidence, so the customer could scale what worked, stop what did not, and move from ambition to enterprise value faster.



Move your strongest AI ideas beyond the PoC.

Speak with our experts today.

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

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North America Headquarters
USA
T: +1 860 528 5430

Europe, Middle East, and Africa Headquarters
UK
T: +44 118 3043720

Asia Pacific Headquarters
Australia
T: +61 2 8887 8600

Global Headquarters
Hyderabad
T: +91 40 6764 1000

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