

Innovation

Research and Development Activities

Basic Policy

Olympus R&D Vision

"Being a leading global and agile R&D organization, innovating new solutions that elevate the standard of care."

To achieve this vision, three R&D missions were set following company strategy.

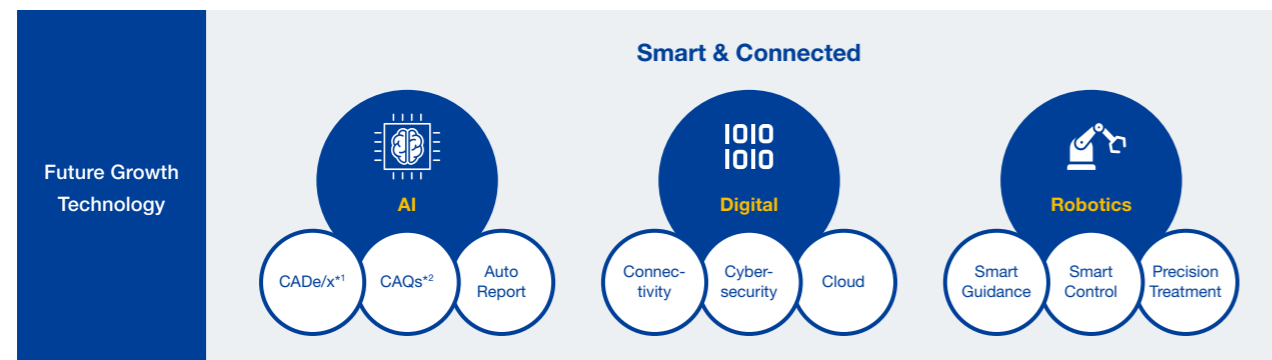
Patient safety and sustainability	Prioritize patient safety and product quality, establish and maintain a healthy and capable organization
Innovation for growth	Deliver value creating innovation for products, procedures, and solutions
Productivity	Ensure predictable and efficient execution based on a high performing organization

R&D Strategy

In the company strategy announced in May 2023, R&D is positioned at the center of the most important value-creating initiatives for innovation, which is essential for the Company's development. We are strengthening innovation methods that put the patient into the center and focus on unmet needs. We will make appropriate investments that allow capturing future value, fostering an innovation culture, actively pursue strategic partnerships, and accelerate speed to market.

Patient/Customer Driven Innovation Focus on clinical-driven innovation to address unmet needs, lower healthcare cost, and build on co-development practice with healthcare professionals (HCPs).	Strategic Partnerships Pro-actively seek for strategic partnerships through joint venture, early-stage investments, M&As and co-creation.
Efficient and Capable R&D Organization Become more efficient and predictable in project execution, fully leveraging our global resources, and enhance capabilities and capacity.	Right Investment To achieve long-term growth, we will strategically balance our investments between next-generation product development and longer-term innovation.

Olympus Technology Expertise



*1 CADE: Computer Aided Detection; CADx: Computer Aided Diagnosis *2 Computer Aided Quality

Patient/Customer Driven Innovation

Innovation Through Collaborative Research

As part of our commitment to advancing innovation, we strategically target specific diseases and procedures that align with our business objectives. Through partnerships with key hospital facilities (e.g. AIG in India), we engage in collaborative research, leveraging the Biodesign methodology^{*3} to gain deep insights into clinical environments.

This hands-on approach allows us to work directly with physicians, identifying critical unmet medical needs that present opportunities for groundbreaking innovations. Once these opportunities are identified, our teams rapidly prototype potential solutions at our R&D centers.

Our goal is to transform these prototypes into viable business concepts that address significant market needs, driving our continued growth and impact in the healthcare world.

This strategy underscores our dedication to fostering innovation that not only meets the current demands of the medical community but also anticipates and addresses future challenges in healthcare.



Dr. Nageshwar Reddy (AIG) in discussion with Andre Roggan (CTO)

*3 Exploring potential needs based on medical field observations, processing steps from creating concepts to commercialization, and aiming to develop medical devices that are really needed in the world

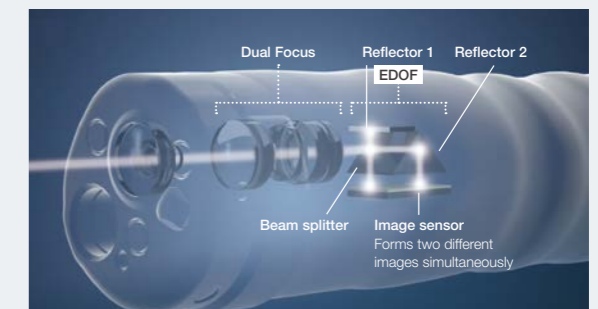
An Example of a Patient/Customer Driven Innovation

One of the new features of the EVIS X1 advanced endoscopy system is the Extended Depth of Field (EDOF) technology. Customers reported that in some cases, an object on the screen was not all in focus. For example, where a large or raised lesion is being diagnosed with an endoscope, getting the entire lesion in focus can be an issue. This reduced inspection efficiency, made accurate diagnostic imaging stressful for the physician and extended procedure times for the patient. EDOF solves this need by generating endoscopic images with a superior depth of field focus capability by combining two images; one focused on elements of the image closer to the scope and the other on elements of the image further away.

Using this technology, EDOF makes focusing easier for the physician and contributes to shorter procedure times

and improved inspection efficiency and provides highly accurate diagnostic imaging.

Principle of EDOF (Extended Depth of Field)



Strategic Partnerships

Sony Olympus Medical Solutions	Established as a joint venture
Canon Medical Systems	Business alliance on endoscopic ultrasound systems
Nippon Telegraph and Telephone	World's first demonstration of a cloud endoscopy system
HCLTech	Establishment of R&D Offshore Development Center (ODC) in Hyderabad, India

Latest Products Introduced through Collaboration



Surgical Endoscopy
VISERA ELITE III, an endoscopic system for surgery



GI Endoscopy
Aplio i800 EUS ultrasound diagnostic equipment