



Activ Surgical® intraoperative surgical intelligence is pioneering digital surgery imaging, developing groundbreaking hardware and software. The company's technology expands human capability allowing surgeons in the operating room to view critical physiological structures and functions, like blood flow, that cannot be seen with the naked eye. Having completed the world's first autonomous robotic surgery of soft tissue in 2018, the company is focused on enhanced, real-time visualization capabilities for surgeons that combine advanced augmented reality (AR), artificial intelligence (AI), and machine learning (ML) technology.

**OUR MISSION** For every surgical imaging system to deliver intelligent information that reduces surgical complication rates, ushering in a new standard of patient care and safety.

**OUR VISION** To transform the collective surgical experience by leveraging emerging technologies and data into insights that make world-class surgery accessible for all.

**OUR IMPACT** Every surgical imaging system will be powered by Activ Surgical to make world class surgery accessible to everyone - saving millions of lives in the process.

— Activ Surgical experienced tremendous growth and momentum in 2022 —

Commercial U.S. launch with over 100 cases completed across both robotic & laparoscopic cases

Granted Third U.S. Patent for ActivSight™ Intelligent Light

First Peer-Reviewed publication in Surgical Endoscopy

**OUR TEAM** Our proven executive team has a combined 160 years of medtech experience. We have been responsible for bringing new innovative products to market and arming surgeons with the tools needed to do their work more effectively to enhance patient outcomes. The team is also supported by world-renowned advisors who are considered experts in their respective fields.



**Manisha Shah-Bugaj, CEO**  
Global General Manager & VP, Olympus  
Business Unit VP, Olympus  
Exec Director, Gyrus ACMI (Olympus acquisition)



**Dr. Peter Kim, Founder and CSO**  
World-renowned surgeon and medical technologist  
Co-Founder, eKare  
VP, Shaikh Zayed Institute, Children's National Medical Center



**Heather Mannila, VP of Finance**  
Controller, Dentsply Sirona  
Director of Finance, Beaver-Visitec International



**Tom Calef, CTO**  
Director Advanced Robotics, Medrobotics  
Led development of first flexible surgical robotics platform  
Seven surgical robotics products through 510(k) clearance



**Richard Stamm, VP, General Counsel**  
General Counsel, Agrify Corporation  
General Counsel, Ocean Spray Cranberries, Inc.



**James Curren, National Sales Director**  
Over 15 years of sales experience in Medical Device and MedTech  
Over 10 years at Intuitive Surgical

YEAR FOUNDED:  
**2017**

HEADQUARTERS:  
**Boston, MA**

TOTAL FUNDING:  
**\$92M**

**INVESTORS**

DNS Capital  
Cota Capital  
BAM Funds

GreatPoint Ventures (GPV)  
ARTIS Ventures  
LRVHealth

Tao Capital Partners  
Magnetar Capital  
NVIDIA Ventures

Rising Tide VC  
MINT Venture Partners  
Castor Ventures

SONY Innovation Fund  
Dream One Vision  
Hikma Ventures

# Revolutionizing Surgery

## Intelligent Light – See Beyond the Visible

Activ Surgical is transforming today's operating room with the 510(k)-cleared, ActivSight Intelligent Light. The first and only modular form-factor with multimodal Advanced Visualization, Activ Sight serves as the "eyes" of the platform and allows surgeons to "see" what humans alone cannot.

With the proprietary ActivSight Imaging Module, visual insights and information is provided to surgeons in real-time in the form of previously unavailable visual overlays. The first offerings are ActivPerfusion™ Mode and ActivICG™ Mode, intraoperative augmented reality overlays that help surgeons identify critical functions and structures.

With ActivPerfusion Mode, surgeons can "see" otherwise imperceptible blood flow and tissue perfusion, a critical indicator of tissue health. ActivICG Mode allows surgeons to visualize ICG (Indocyanine Green) in critical structures, such as bile ducts, using familiar techniques.

In 2021, the ActivSight system was cleared by the FDA and successfully used in first-in-human studies. Designed to be a routine part of surgical practice, ActivSight is engineered to work with existing laparoscopic and robotic systems. Major hospital networks across the U.S. and Europe have been established as pilot sites.



Preventable medical errors are the third leading cause of death after heart attack and cancer

**400,000**  
deaths every year due to avoidable complications (U.S.)

**26%**  
of all medical errors are preventable surgical errors

**\$36B**  
global cost for preventable surgical errors

## Intraoperative Intelligence Brings Infinite Possibilities

Activ Surgical's IP portfolio provides us with a unique position to advance intraoperative sensory technology and machine learning to eliminate surgical errors and democratize surgery across the globe.

ActivSight is revolutionizing intraoperative surgical imaging today while the ActivEdge™ platform gathers highly contextualized data analytics that enables accelerated video data annotation for machine-learning-driven intraoperative surgical intelligence. ActivEdge, the "brain", enables applications that have the potential to mitigate surgical error, enhance patient outcomes, and dramatically improve savings to healthcare systems.

As Activ Surgical's technology is integrated with increasingly sophisticated systems, the ActivAssist™ System will leverage the outputs of the ActivEdge Platform to enable and empower robotic systems to see far beyond the human eye. The ActivPilot™ System will enable semi-autonomous and surgeon-collaborative procedures to consistently achieve the best possible patient outcomes.

“ The potential for Activ Surgical to use AI and machine learning to inform robotics-assisted surgery - bringing together the best of human judgment and wisdom augmented by robotics precision - is a game changer in helping the surgical community achieve better outcomes.”

- Dr. Vipul (Vip) Patel  
Medical Director of the Global Robotics Institute at Advent Health Celebration and Medical Director of the Advent Health Cancer Institute Urologic Oncology Program and Activ Surgical Advisory Board member.

“ As a surgeon, I rely heavily on surgical imaging to make informed decisions regarding procedures. Now that the majority of imaging systems have achieved optimal optical resolution, the next phase of innovation will be driven by companies like Activ Surgical who are developing new value-added features, including the visualization of tissue perfusion.”

- Dr. Steven D Schwaitzberg  
Professor and Chairman of the Department of Surgery at University at Buffalo and Activ Surgical Advisory Board member.

FOR MORE INFORMATION ABOUT ACTIV SURGICAL, PLEASE VISIT [ACTIVSURGICAL.COM](https://ACTIVSURGICAL.COM)



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