



# INVESTOR DAY PRESENTATION

February 23, 2021

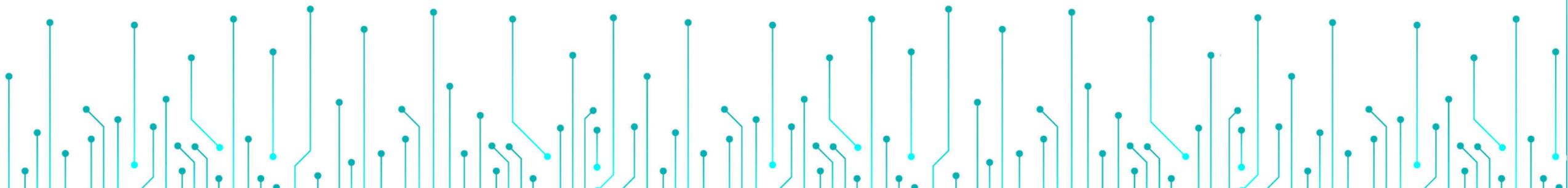
Anthony Fernando, President & CEO

Shameze Rampertab, EVP & CFO

## Forward Looking Statements

This presentation includes statements relating to our vision for the future of performance-guided surgery and the role the Senhance® Surgical System may play. These statements and other statements regarding our future plans and goals constitute "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934, and are intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. Such statements are subject to risks and uncertainties that are often difficult to predict, are beyond our control and which may cause results to differ materially from expectations, and include whether we will be well-positioned to continue to deliver on our strategy and bring transformative technology to surgeons, hospitals and patients globally. For a discussion of the risks and uncertainties associated with our business, please review our filings with the Securities and Exchange Commission (SEC).

You are cautioned not to place undue reliance on these forward-looking statements, which are based on our expectations as of the date of this presentation and speak only as of the date this presentation was first made. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.





Global  
Regulatory  
Approvals



Global  
Training Centers



**100+**  
Active Surgeon  
Users



Active  
Clinical Sites in  
US, EU & Asia



**4,000+**  
Surgeries  
Performed



Robust  
Intellectual Property  
Portfolio



**1st**  
eye-sensing camera control  
haptic feedback  
3 mm robotic instruments  
augmented intelligence and machine vision  
real-time surgical image analytics  
pediatrics with robotic 3 mm



Strong  
Talented Global  
Team



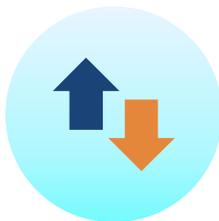
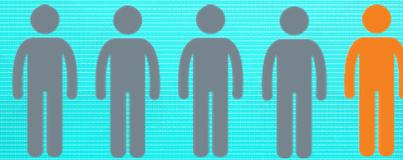
Integrated  
Remote  
Mentoring



We believe in digitizing the interface between the surgeon and patient to pioneer a new era of **Performance-Guided Surgery** by unlocking the Clinical Intelligence to enable consistently superior outcomes and a new standard of surgery.

# The Reality of Surgery

1 in 5 patients undergoing surgery has  
1 or more complications\*



**Overall profit margin decreased from 5.8% for patients without complications to 0.1% for patients with complications.\*\***

Essentially, hospitals make **no money if there is a complication.**



# There's Something Missing in the OR



**Unintended and preventable surgical complications are rampant** and cost health systems billions of dollars each year

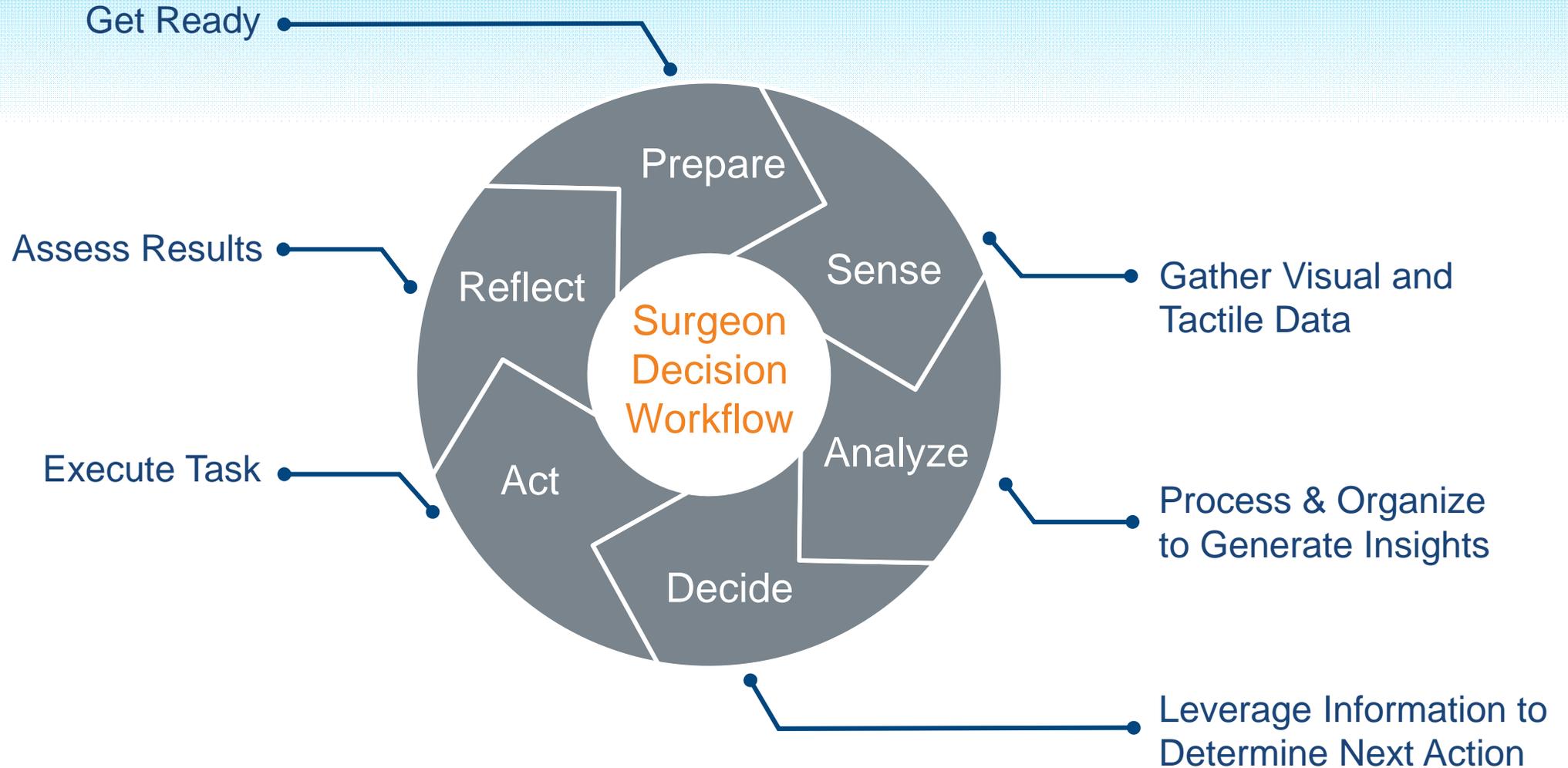


**Limited technological innovation**  
(robotics is 20 years old)

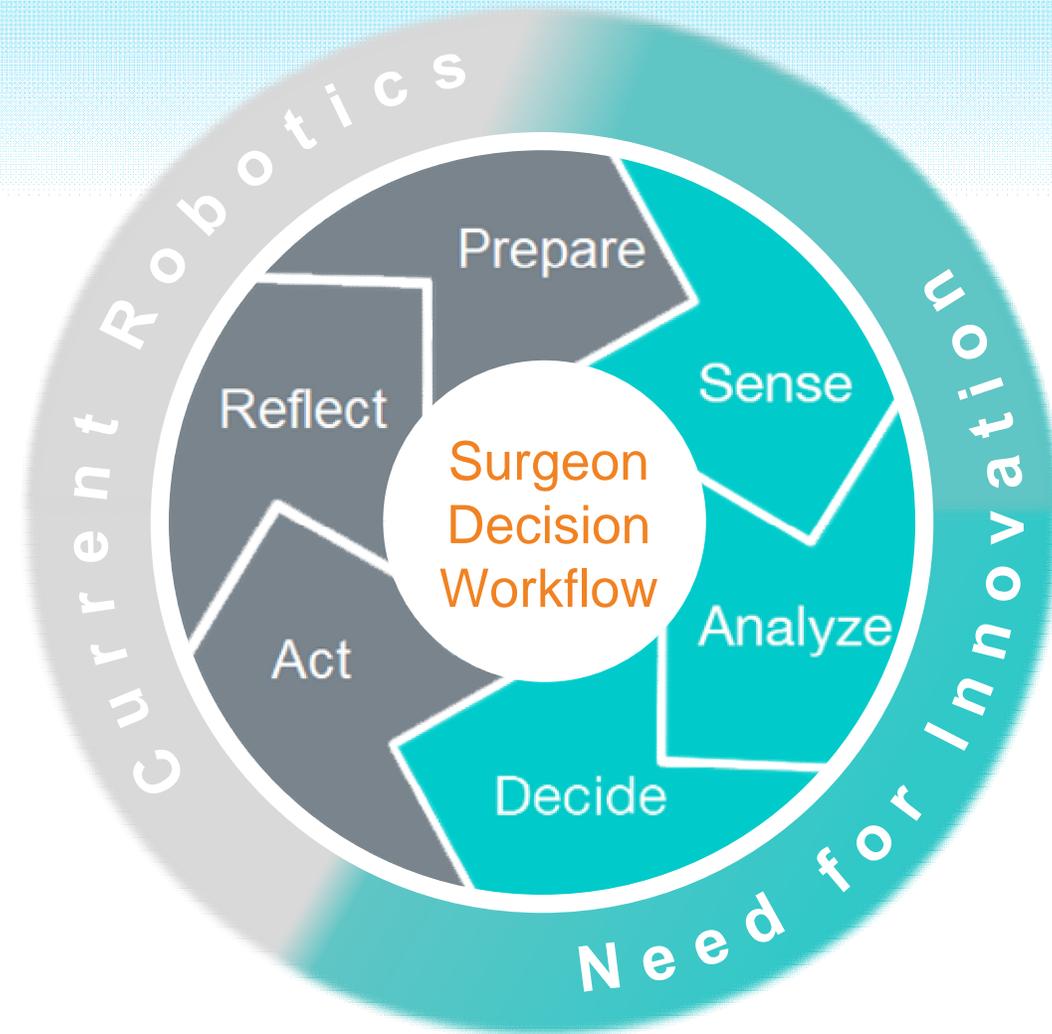


**Lack of access to critical real-time information**

# Surgical Decision Chain



# Something is Missing



Minimal innovation to improve decision-making aspects in the high-pressure, highly-variable situations that repeatedly occur during surgery.

**Sensing, Analyzing** and **Deciding** are what **drive surgical outcomes.**

## Holistic approach to addressing each phase of the surgical decision chain

We Should  
Expect More  
From  
Surgery

- **Increase safety** for better outcomes which lead to better patient and provider satisfaction
- **Reduce surgical variability** and factors that contribute to poor outcomes
- **Guide surgeons** to successfully navigate when unexpected events occur to effectively reduce surgical errors and complications
- **Provide real-time clinical intelligence** and capabilities to create more predictable outcomes to meet value-based care constraints

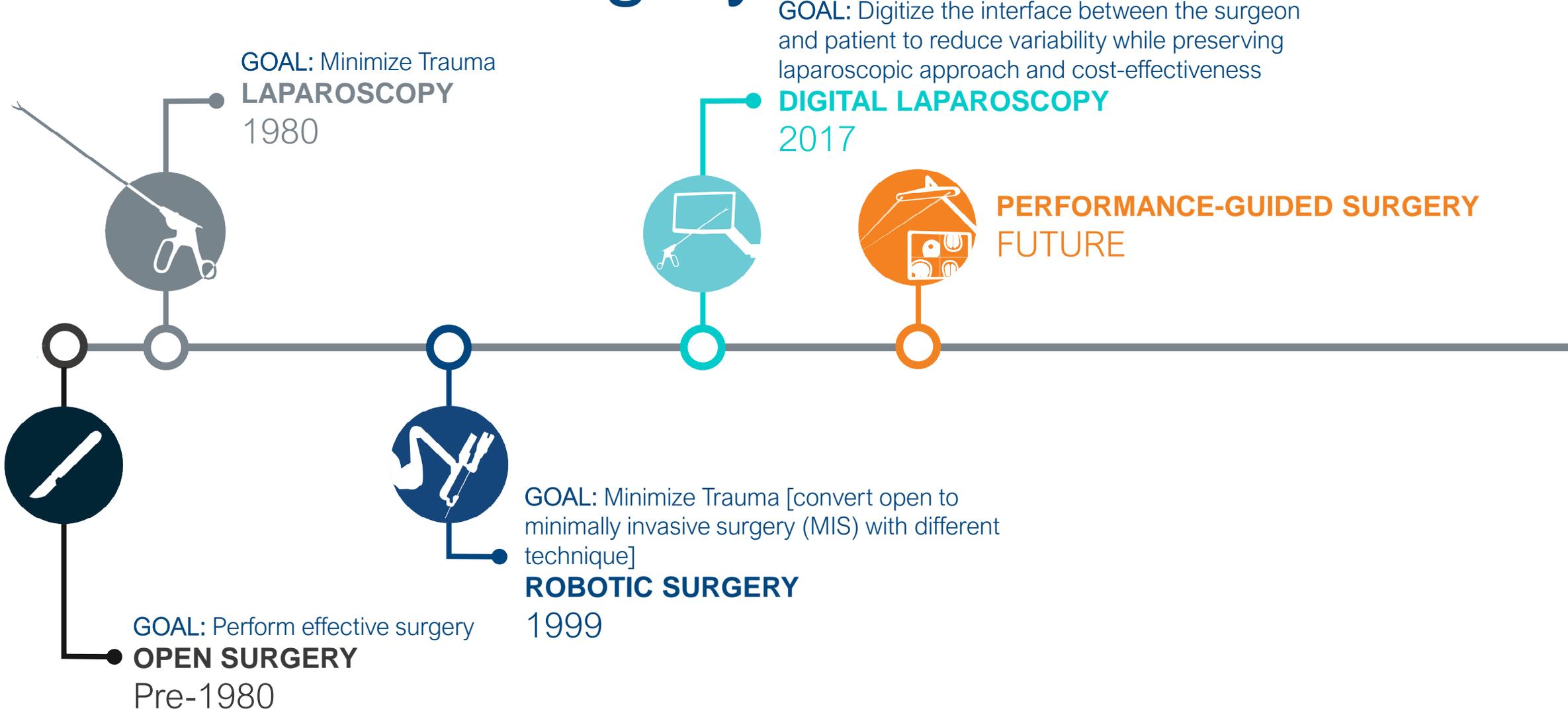


# Prof. Dr. Jaap Bonjer

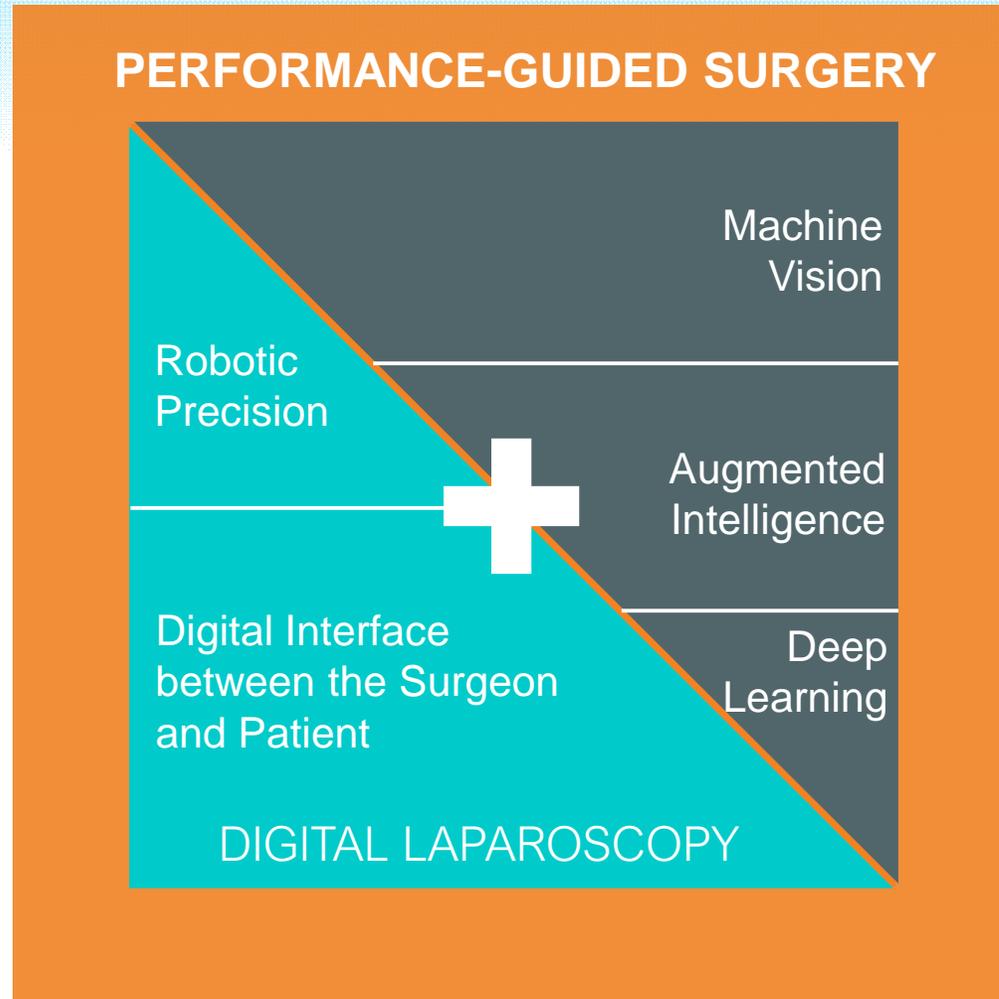
Professor of Surgery, Amsterdam University Medical Centre  
CEO, Amsterdam Skills Centre

(VIDEO PRESENTATION)

# Evolution of Surgery



# Performance-Guided Surgery



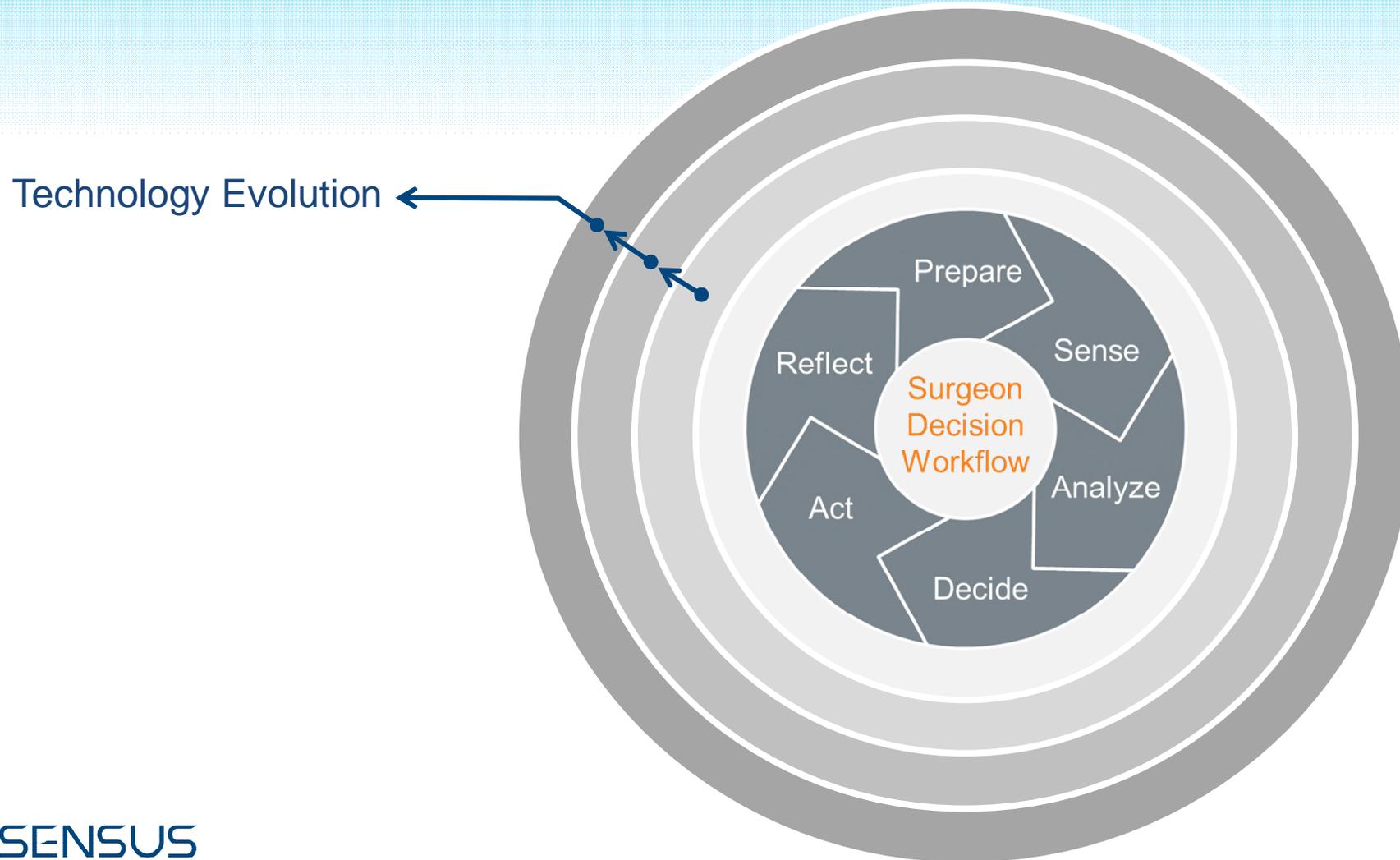
Improved Decision Making

Improved Collaboration

Improved Predictability

# Reimagine Surgery

## Technology and the Surgical Value Chain



Surgeon capabilities scale as you add technical capabilities, resulting in **increased predictability** and **superior outcomes**

# Surgical Paradigm

## Mapping Categories to the Surgical Value Chain

### Laparoscopy

Manual Control

### Robotic Surgery

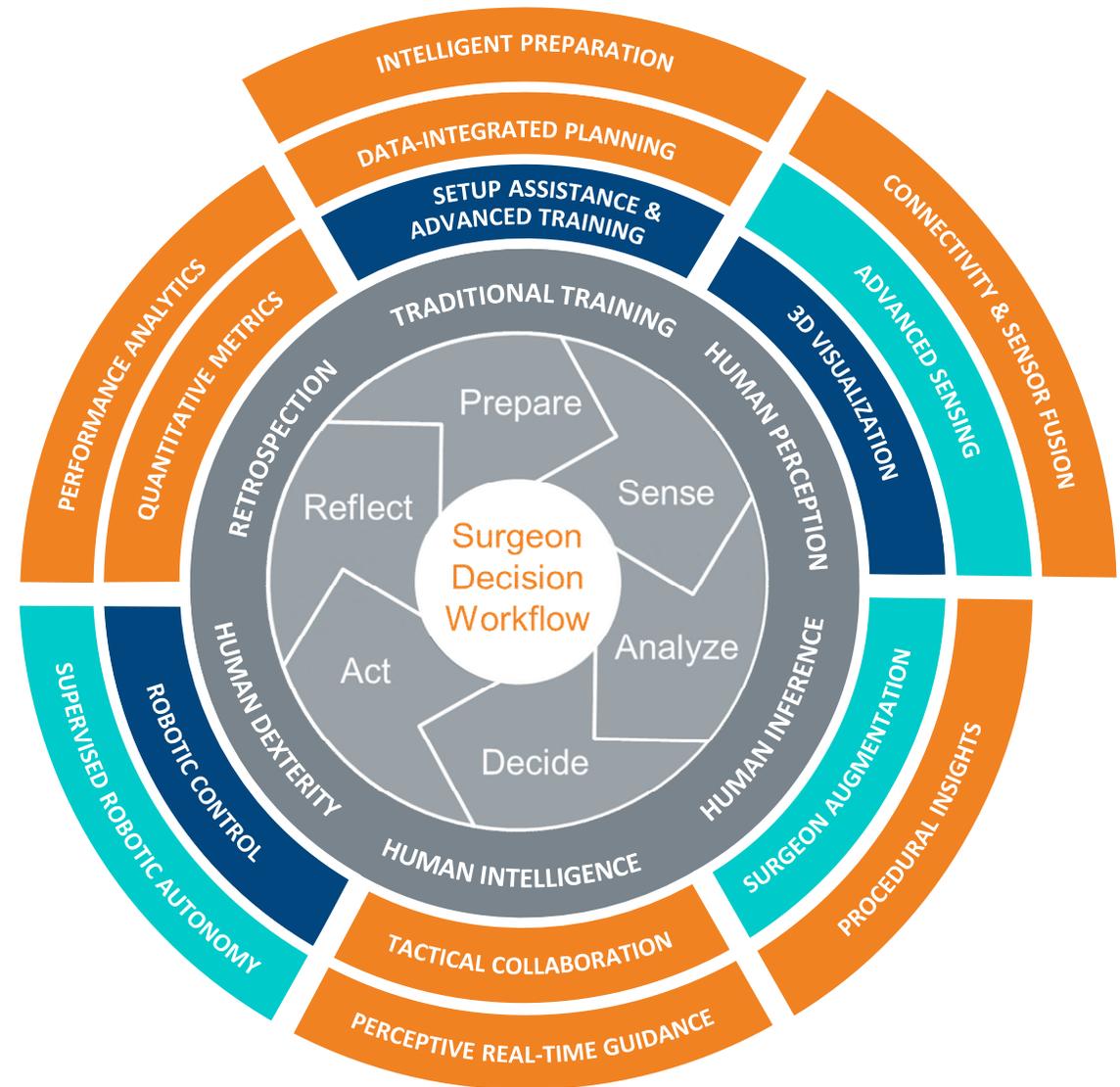
Robotic Precision and Control

### Digital Laparoscopy

Advanced Sensing, Digital Insights

### Performance-Guided Surgery

Intelligent Preparation, Perceptive Real-Time Guidance

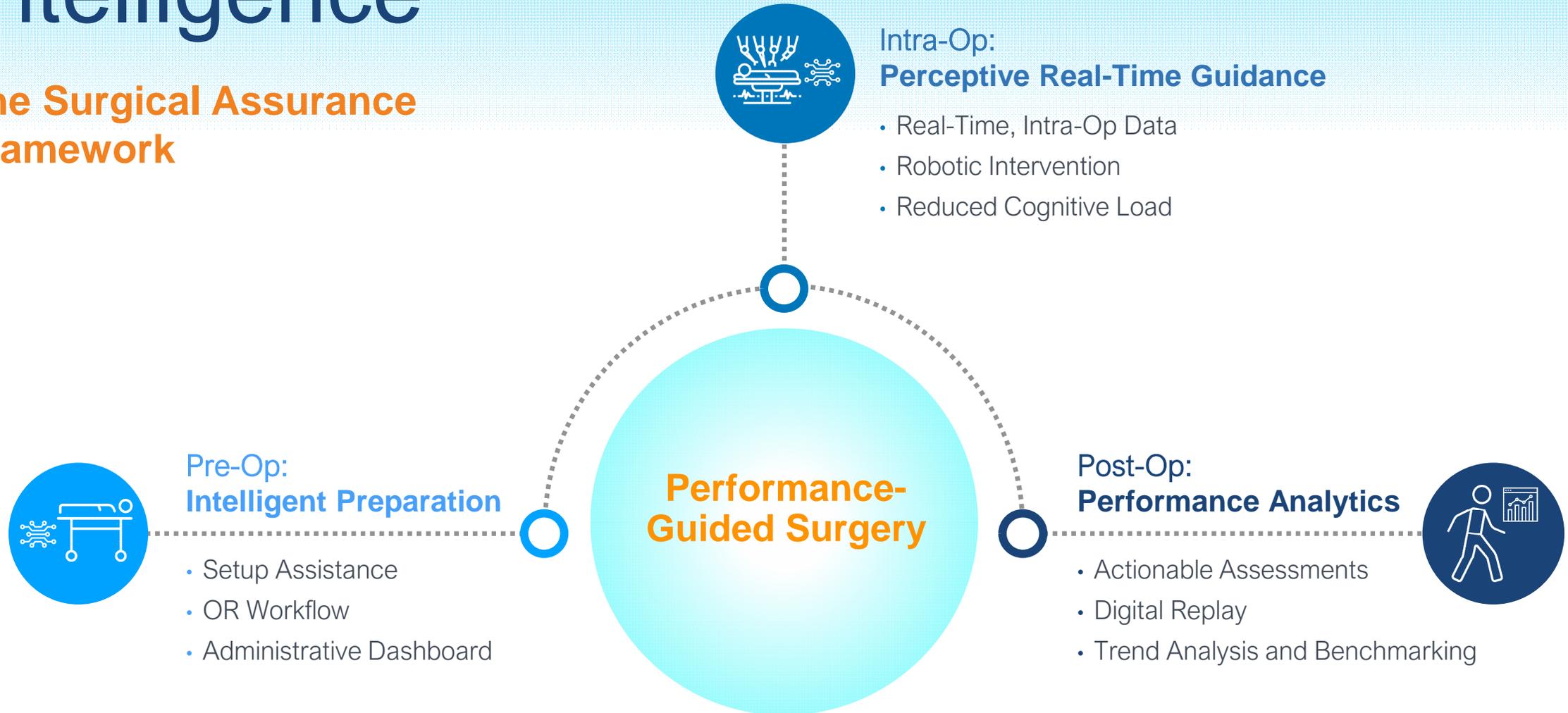


# Technology Video Presentation



# Unlocking Clinical Intelligence

## The Surgical Assurance Framework





# Dr. Amit Trivedi

Chairman, Department of Surgery  
Hackensack Meridian Health at Pascack Valley

(VIDEO PRESENTATION)

# Market Drivers

## Why the Time is Now



Value-based healthcare is rapidly shifting the responsibility for quality outcomes and inefficiency to hospitals and physicians.\*



COVID-19 has exposed the shocking financial frailty of hospital systems as well as capacity and resource constraints, which must be bolstered and requires an acceleration of our innovation.\*\*

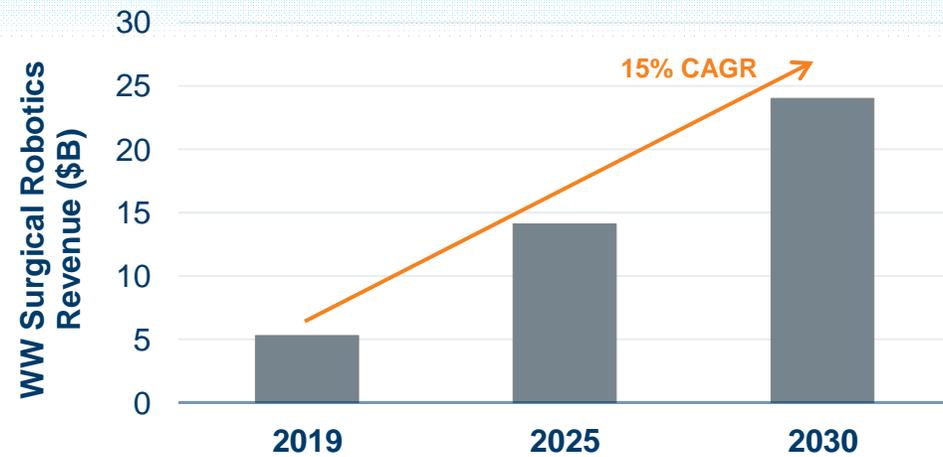


Patients' conditions are becoming more complex and therefore treating them becomes more complicated. The absolute number of patients seeking care is increasing, and many more patients have multiple chronic conditions than they did a generation, or even a decade, ago.\*\*\*



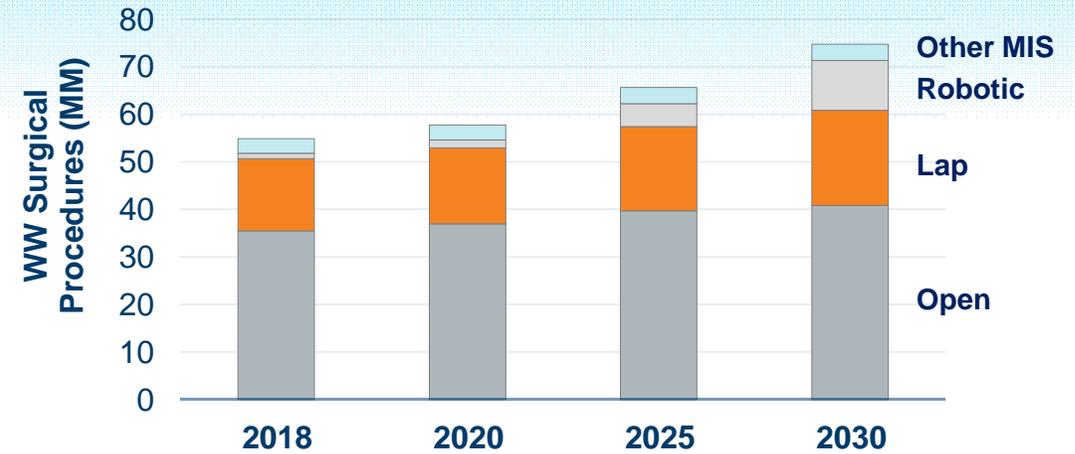
The technology exists and is building in other industries with computational technology growing exponentially. Why not bring it to surgery where it is prime for adoption?

# Global Market Trends in Surgical Robotics



SURGICAL ROBOTICS IS A LARGE AND FAST-GROWING MARKET AND CONVERTING LAPAROSCOPIC SURGERY IS A GREENFIELD OPPORTUNITY

Worldwide Robotic Penetration Rate is < 5%, Today



Current Robotics Market



Current Robotic Penetration < 5%

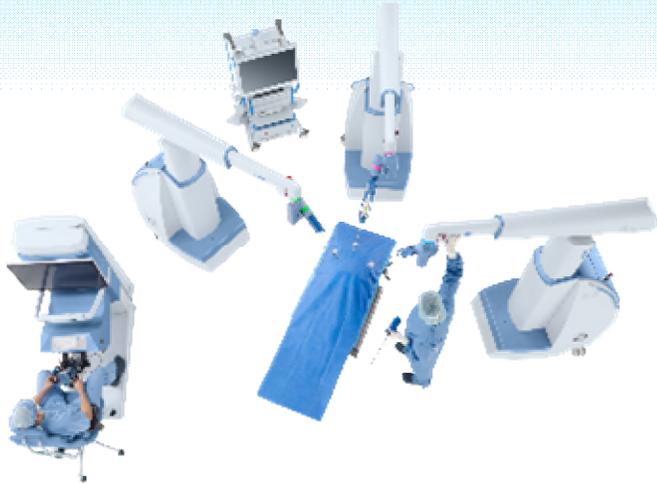
Digital Laparoscopy



Greenfield Opportunity for Senhance

# Our Path to Market Leadership

## Senhance



Robust Digital Laparoscopy platform built on the fundamentals of MIS

## Intelligent Surgical Unit™ (ISU™)



Digital Platform capable of machine vision and augmented intelligence to enable real-time surgical analytics

## Performance-Guided Surgery



Clinical Intelligence to unlock superior outcomes with surgery

**Global organizational footprint and installed base**

**Continued focus and targeted investments that drive innovation to create the future of surgery**

# Surgery Reimagined

Performance-Guided Surgery – next  
level technology that completely  
changes the idea of what's possible.

The logo for Asensus Surgical features a stylized 'A' on the left, composed of a white triangle with a horizontal bar that is orange on the left and cyan on the right. To the right of the 'A' is the word 'ASENSUS' in a white, bold, sans-serif font. Below this, a white horizontal line with a small circle at its right end spans across the width of the text. Underneath this line, the word 'SURGICAL' is written in a white, spaced-out, sans-serif font.

# ASENSUS

S U R G I C A L