



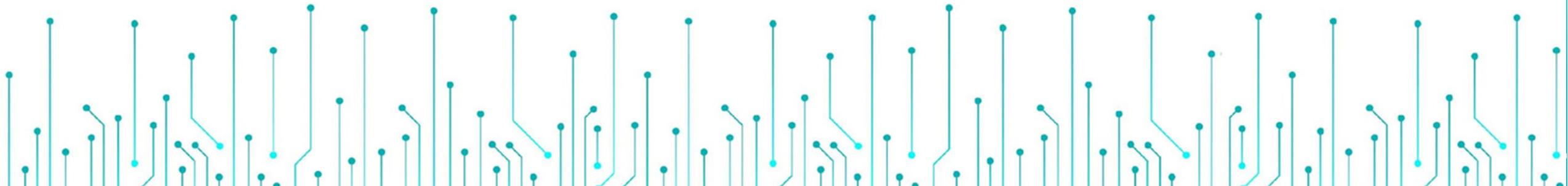
BAIRD 2021 GLOBAL HEALTHCARE CONFERENCE

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September 14, 2021

Forward Looking Statements

This presentation includes statements relating to the Senhance Surgical System's market development and a general corporate update. These statements and other statements regarding our future plans and goals constitute "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933 and 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. Factors that could cause our results to differ materially from those described include, but are not limited to, whether the market development activities related to the Senhance Surgical System will be successful, the pace of adoption of our products by surgeons, the success and market opportunity of our products, the impact on the ongoing pandemic on our business and our customers, the effect on our business on existing and new regulatory requirements and other economic and competitive factors and whether we will be able to execute upon our corporate objectives. For a discussion of the risks and uncertainties associated with the Company's 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 origination date of this presentation. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.





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.

Asensus Surgical (NYSE American: ASXC)

Early-Commercial Stage Company Ushering In A New Era Of Minimally Invasive Surgery



Global
Regulatory
Approvals



Global
Training Centers



100+
Active Surgeon
Users



Active
Clinical Sites in
US, EU & Asia



5,000+
Surgeries
Performed



Compelling
Per Procedure
Economics



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

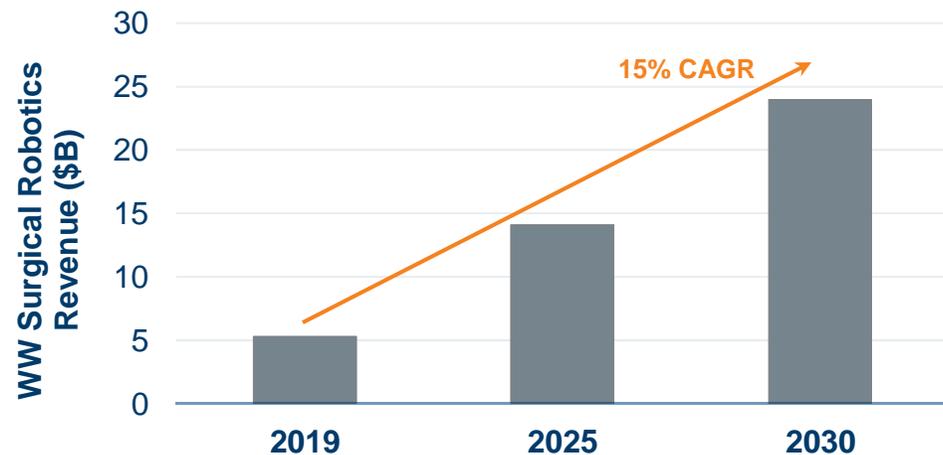


Strong
Talented Global
Team



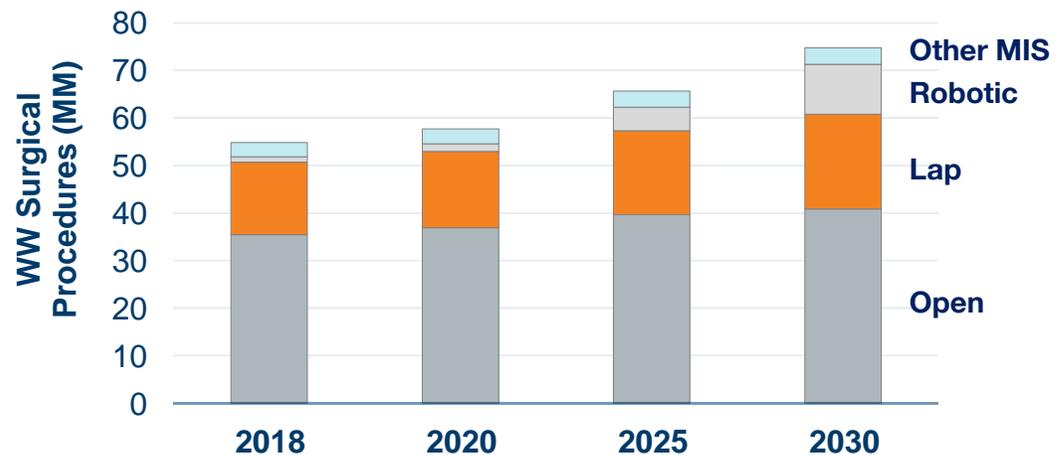
Integrated
Remote
Mentoring

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

We Are Uniquely Focused on Laparoscopy

An Opportunity And Need To Add To The Ways Surgical Robotics Creates Value

Global Soft Tissue Abdominal Surgery Market

Laparoscopy: ~16 million

Applicable Technology

Digital Laparoscopy (multi-port)

Industry Participants



Surgical Technique

Laparoscopy

Instruments

Fully Reusable

- Low \$ / procedure

5mm & 3mm

- Advances MIS, broadens applicability

Articulating

- Enabling where needed

Advanced Technology

Intelligent Capabilities

- Evolving capabilities of surgeons

Open: ~37 million

Robotic Assisted Surgery (multi-port)



Medtronic



Open Surgery / Hybrid MIS

Limited / Single Use

8mm & 5mm

Wristed

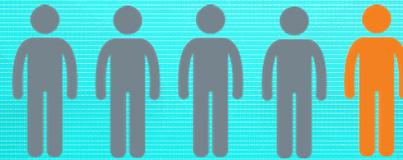
Not Available

Senhance is the only platform able to address the conversion of laparoscopy by leveraging standard laparoscopic tools, digital information and decision support tools

Competitors are following the Da Vinci model and focusing on open surgery conversion

The Reality of Surgery

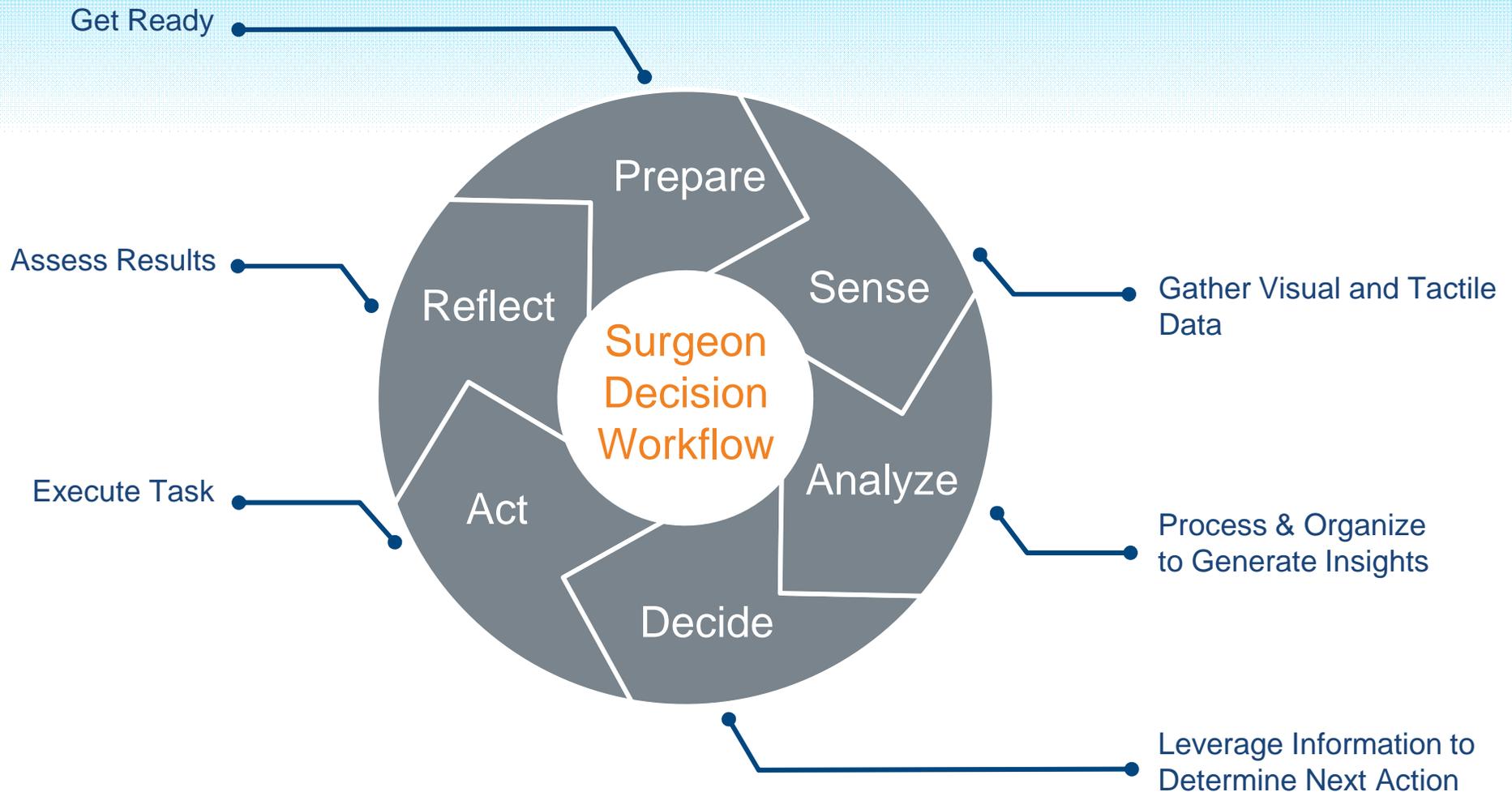
1 in 5 patients undergoing surgery has
1 or more complications*



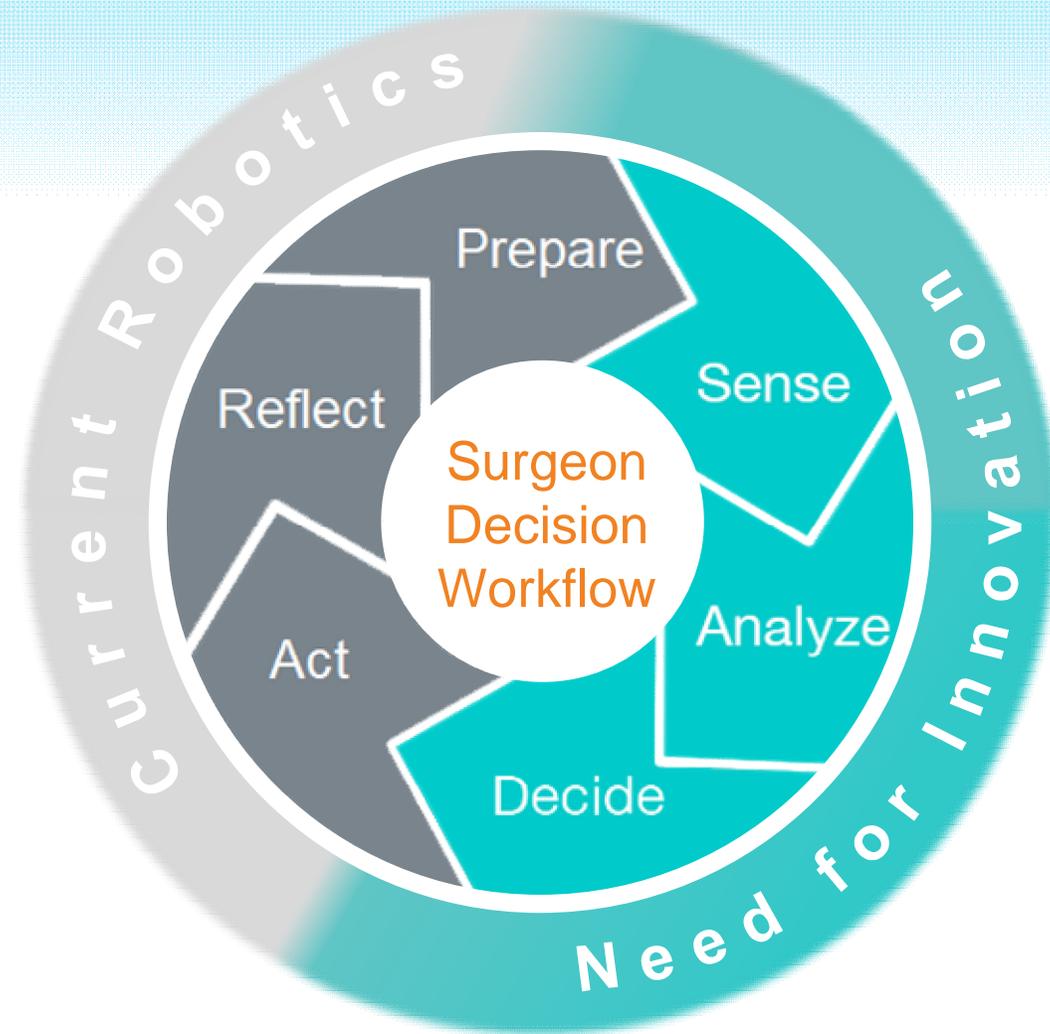
Overall profit margin decreased from 5.8% for patients without complications to 0.1% for patients with complications.**

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

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.

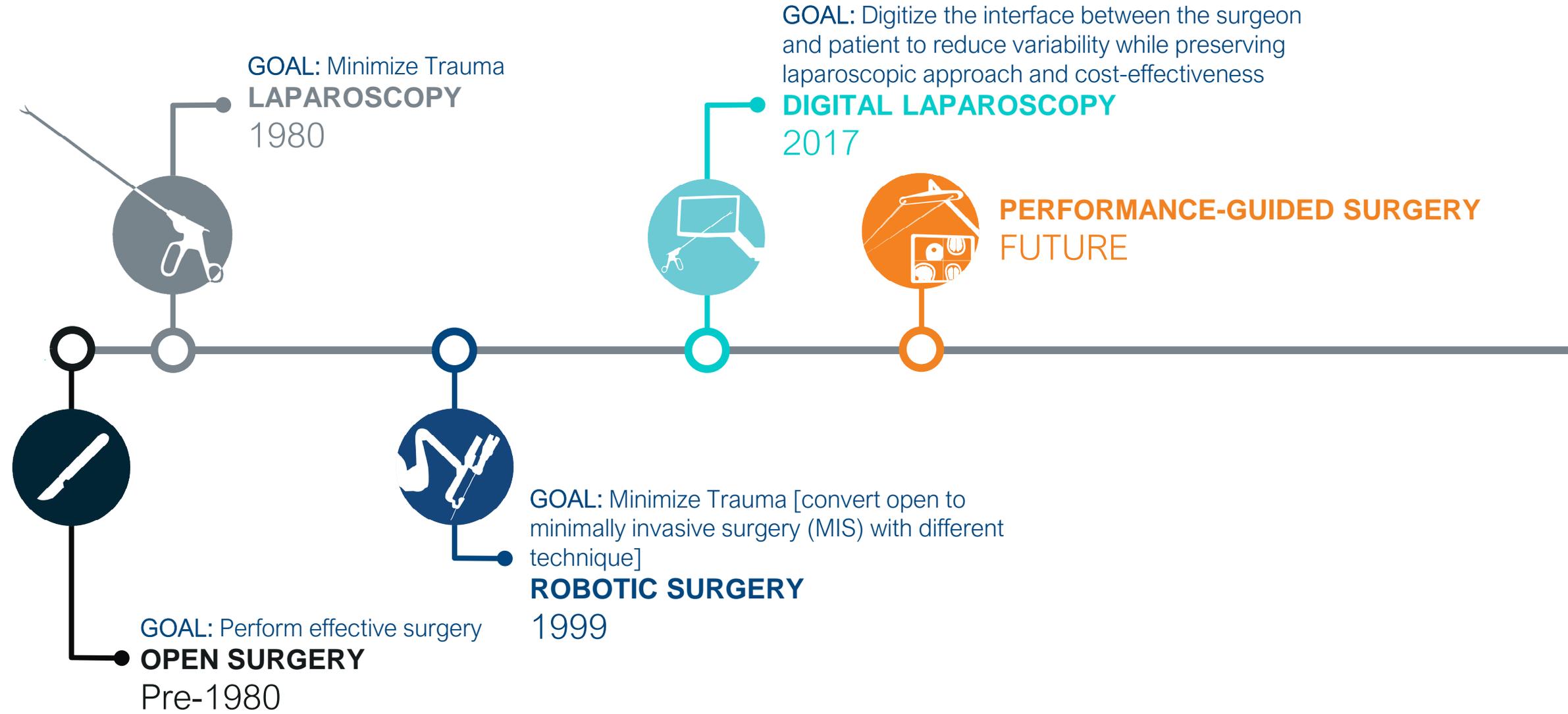
Sensing, Analyzing and **Deciding** are what **drive surgical outcomes.**

We Should Expect More From Surgery

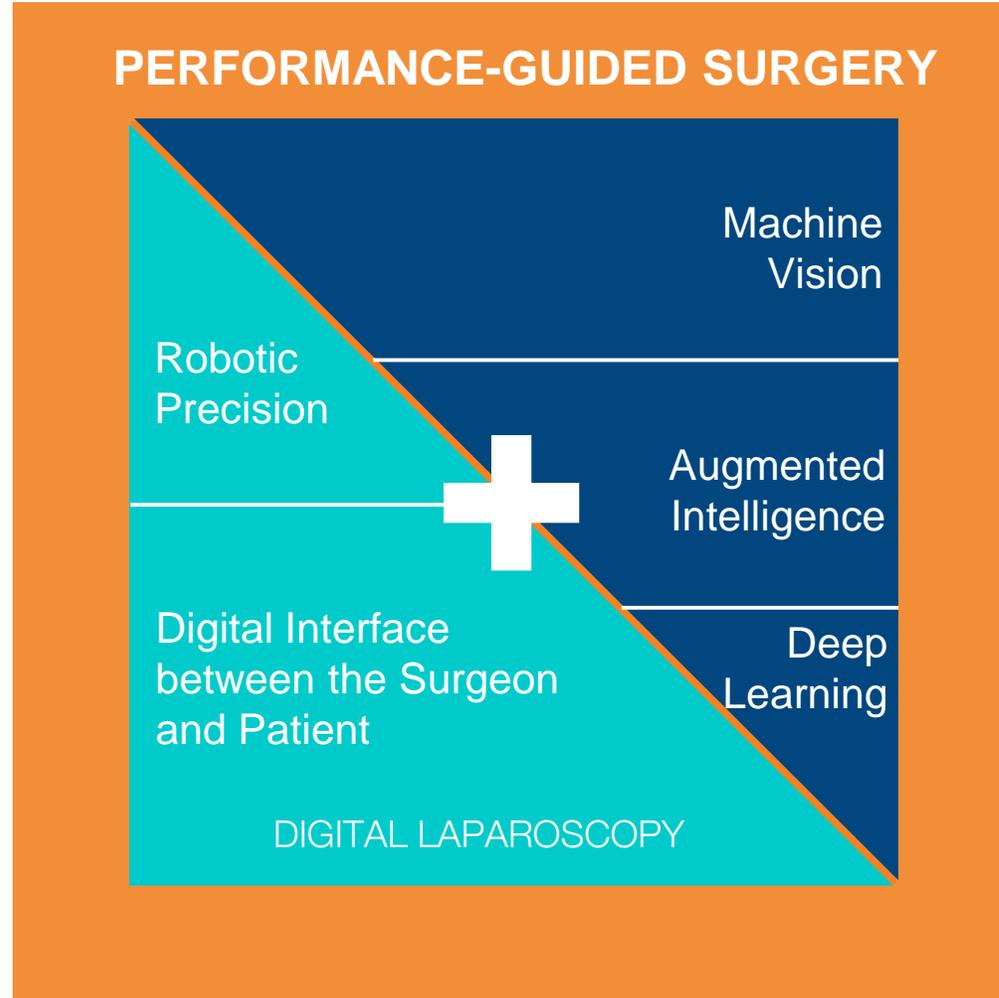
Holistic approach to addressing each phase of the surgical decision chain

- **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

Evolution of Surgery



Performance-Guided Surgery



Improved Decision Making

Improved Collaboration

Improved Predictability

Surgical Paradigm

MAPPING CATEGORIES TO THE SURGICAL VALUE CHAIN

Laparoscopy

Manual Control

Robotic Surgery

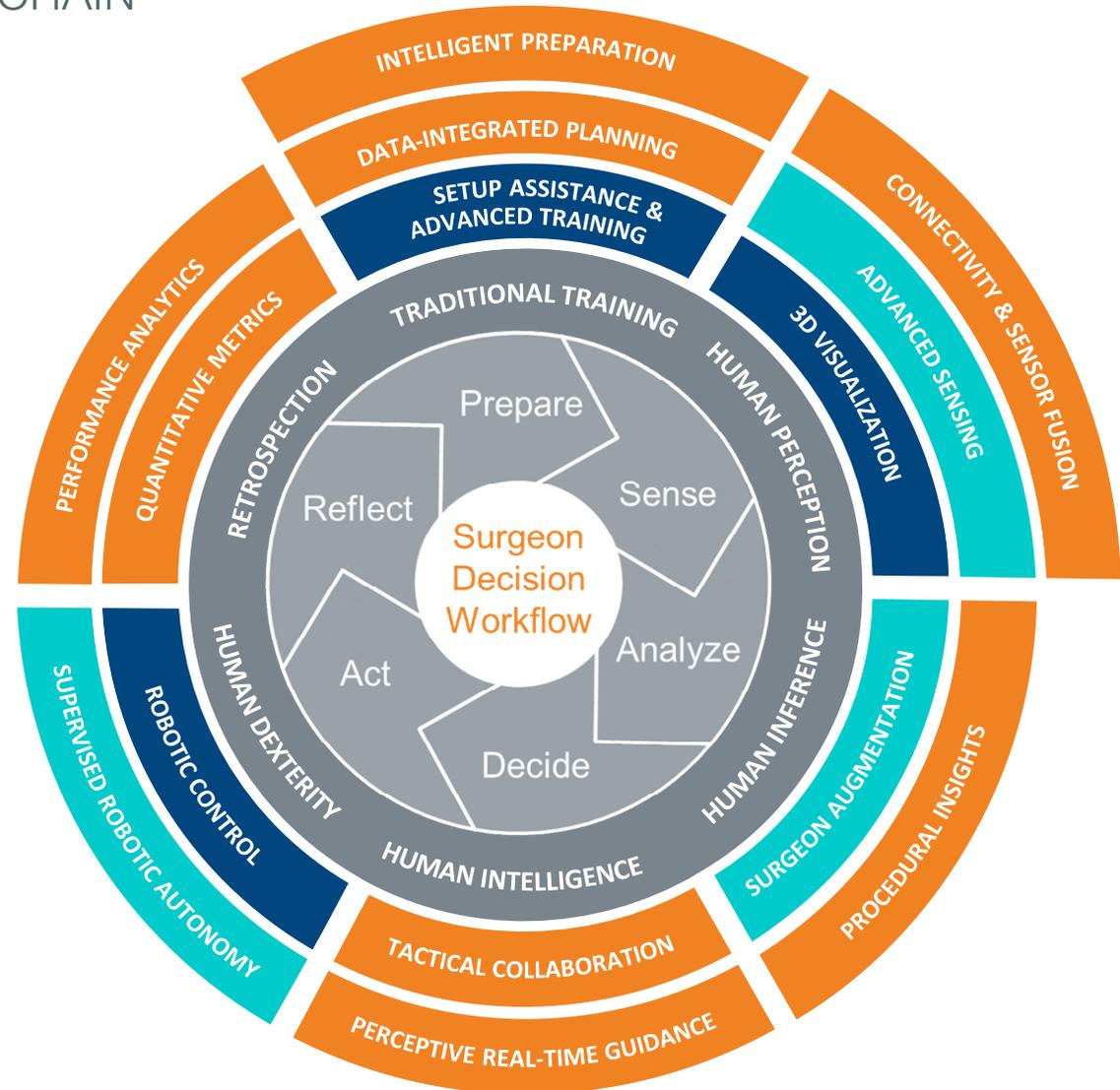
Robotic Precision and Control

Digital Laparoscopy

Advanced Sensing, Digital Insights

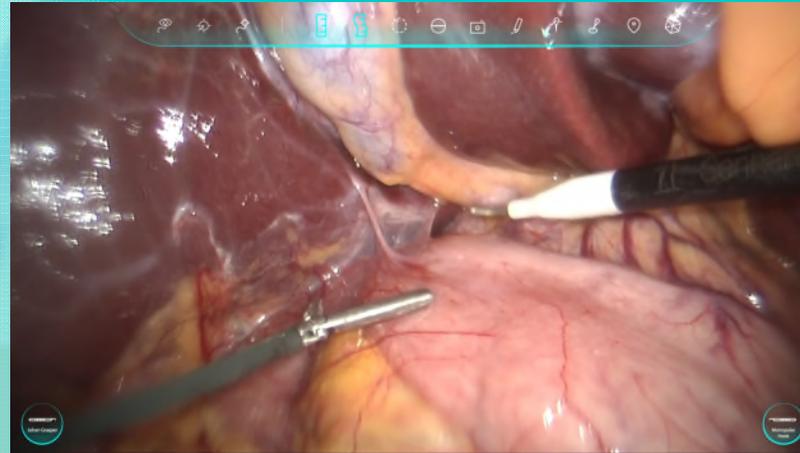
Performance-Guided Surgery

Intelligent Preparation, Perceptive Real-Time Guidance

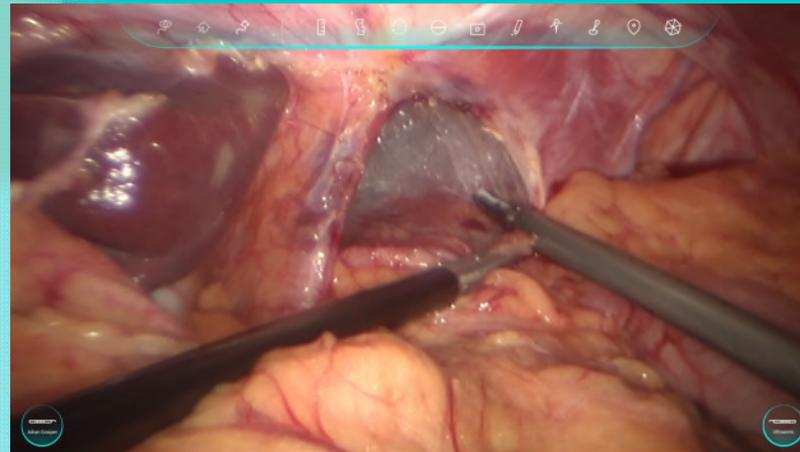


ISU: The First Machine Vision System In Robotic Surgery

Laying The Foundation For Digitizing Surgery → Enable Performance-Guided Surgery



Vision Based
Real-Time 3D
Point to Point
Measurement



Real-Time Defect
Identification and
Sizing

Senhance Connect

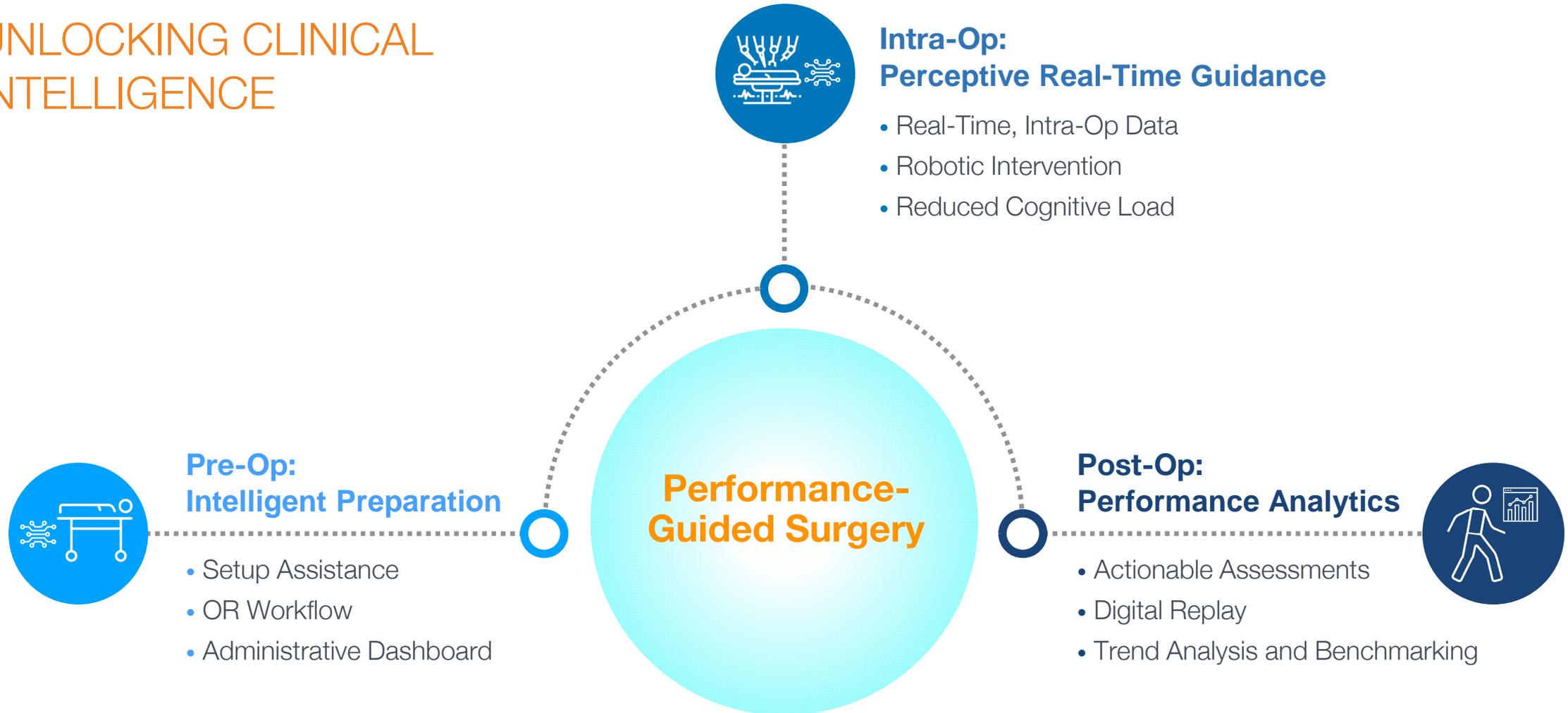
Mobile In-OR Surgeon Communication System



- Connects expert Senhance Surgeons across the Globe
- Streams multiple camera views and the endoscopic view simultaneously
- Allows 2-way screen sharing and annotation

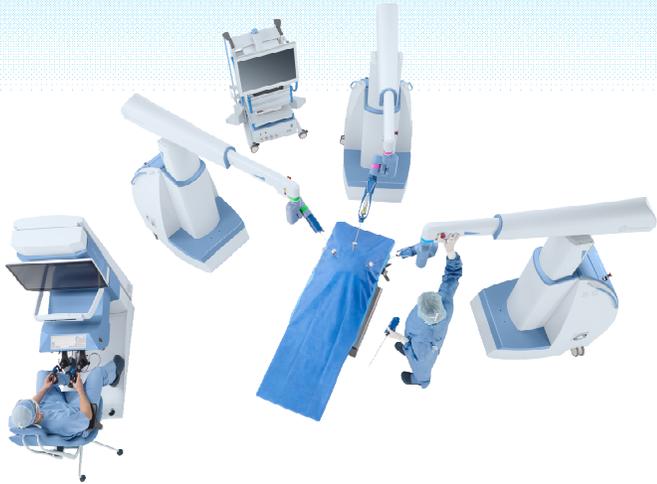
The Surgical Assurance Framework

UNLOCKING CLINICAL INTELLIGENCE



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



A SENSUS
SURGICAL

Surgery Reimagined

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