

# The Smart Hospital

## OPERATING ROOM EFFICIENCY



**Be ready for what's next by unlocking the potential within your data.**

Your hospital is under pressure to increase productivity and efficiency in order to reduce costs and improve margins. And while your focus is on operations, your patients are evolving into consumers with the resources to grade your performance. To meet their needs and increase productivity, the future of patient care lies within smart hospitals.

The hospitals of the future will have their own eyes and ears that automate event orchestration for better healthcare. Artisight in partnership with Dell Technologies and NVIDIA, has made this future a reality today.

### US HOSPITALS

**67%**

Run on Dell EMC storage infrastructure

*Source: Definitive Health Analytics, September 2020*

### HEALTH SYSTEMS

**7 of top 10**

Run on NVIDIA AI Computing Platform

*Source: NVIDIA Internal Sales Data*

## DATA DRIVES IMPROVEMENT

To improve your hospital's efficiency and help your doctors, nurses and clinical staff make more informed decisions; your smart hospital framework should include three essential layers — data, insight and access. Simply digitizing or making your hospital paperless is not enough. Data must be integrated and securely available using a powerful compute and storage system that scales from your core IT environment to an edge network, making data accessible to hospital staff when they need it.

## POWERFUL INTELLIGENCE

A deep learning-powered productivity platform designed by physicians and operational experts provides insight that was previously lacking to address a modern hospitals' needs. By focusing Artificial Intelligence (AI) on the right problems, such as operating room efficiency and surgical training, your hospital can have real-time access to actionable data to improve productivity while ensuring HIPAA compliance.



### Artisight IoT Sensor Network

Powered by NVIDIA Clara™ Guardian, a smart hospital application framework



### PowerEdge Servers & PowerScale Storage

Simple, scalable storage for any data, anywhere

# Operating Room Efficiency

16x

Return on investment\*

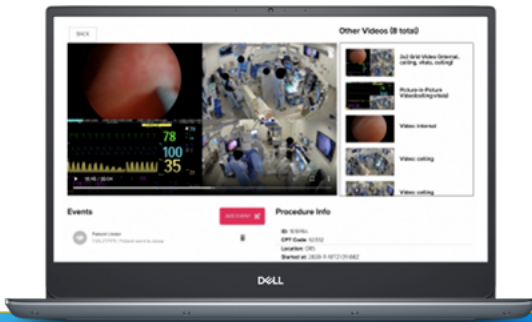
5%

More procedures\*

*\*Validated at Silver Cross Hospital, New Lenox, IL*

Built on a network powered by the NVIDIA Clara™ Guardian application framework and NVIDIA AI Computing Platform with Dell PowerEdge Servers and Dell EMC PowerScale for long term storage — Artisight's Operating Room Efficiency solution improves productivity using intelligent sensors and AI algorithms.

This integrated foundation of technologies enhances communication and prediction to enable OR optimization in multiple dimensions, including time, instrument utilization, staffing and documentation.



Management software gives clinicians real time access to EHR data, while Bluetooth sensors, computer vision cameras and microphones reduce the burden of human documentation.

## OPERATING ROOM EVENT ORCHESTRATION

- Computer vision data capture
- Privacy screen for patient and staff autonomy
- Reduce documentation burden
- Management software with real-time EHR integration
- Automated documentation, notifications, KPI reports and patient family notifications

## SURGICAL QUALITY IMPROVEMENT

- Allow surgeons to review and train with colleagues
- Improve surgeon performance
- Provide standardized surgical performance and resources
- Built on the same infrastructure for OR coordination
- HIPPA compliant

Provide your clinicians with safer, more efficient operating room environments.

Reach out to us today to learn how you can use advanced communication and AI to reduce costs, improve productivity and increase profitability and patient satisfaction.



Artisight is an IoT sensor network for healthcare created to improve billing, charting, patient monitoring, workflow optimization and financial performance. Designed by physicians, operational experts and AI scientists, our HIPAA compliant platform uses AI to analyze data and uniquely generate new and previously inaccessible data sets.

» **Contact us** to learn how we can help your hospital achieve safer environments



Dell Technologies is helping healthcare and life sciences organizations simplify their administration; coordinate and manage patient care; transition from episodic care to coordinated, advanced personalized care with a focus on prevention and wellness; and ultimately improve population health and individual patient outcomes.

» **Learn more** about our solutions for healthcare



NVIDIA Clara™ Guardian is an application framework and a partner ecosystem that brings smart sensors and multimodal AI together to improve patient care, operational efficiency and public safety in healthcare facilities.

» **Learn more** about NVIDIA Clara™ Guardian