



All in the Cloud

IoT-Based MDDS Workstation



Santu Digital MDDS

All features can be accessed remotely

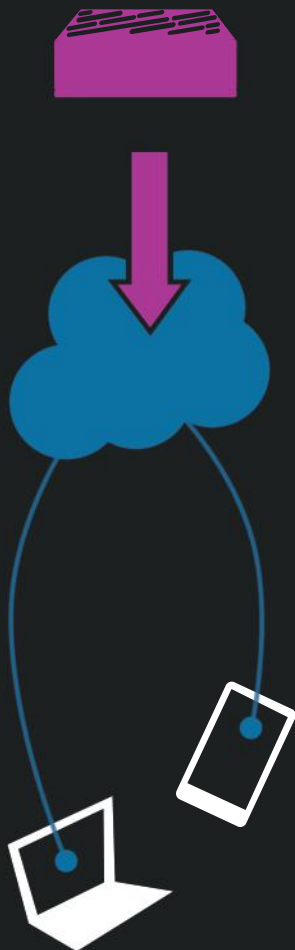


Santu Digital uses a standalone IoT (Internet of Things) gateway called SDHub as a Medical Data Device System (MDDS) and two associated applications SlymNDT and SlymBridge to make remote maintenance possible everywhere around the world whenever there's an Internet connection. With flat panel detectors and high voltage generators connected to SDHub, SlymNDT and SlymBridge can acquire images and collect status information periodically, change configurations, calibrate detectors and x-ray tubes, get rad/dark images, browse log files, and edit maintenance records. Technical support staff can also write scripts to automate maintenance tasks, so that problems can be detected and fixed before the customer is affected. The combination of SDHub, SlymNDT, and SlymBridge is the best way to keep our customer satisfaction at the highest level.

These three components work together to provide a complete and robust user experience. No more sending technical support staff on-site, and no more time-consuming phone calls with clinic staff.

SDHub

- Based on a standalone, industrial-grade, and fan-less computer
- Has an ARM-based security module
- Supports a Pay-Per-Use business model
- Has rich network interfaces to connect wired or wireless detectors and generators
- Has a built-in, fully-featured DROC (Digital Radiography Operator Console) for doctors and veterinarians
- Integrates seamlessly with SDCloud, our cloud-based PACS service
- Keeps working even when the network is down and automatically synchronizes data when the Internet connection is restored



SlymNDT

- Obtains remote detector and generator status regularly
- Gets/Sets remote detector and generator configuration
- Browses and searches remote detectors and generator log files
- Edits and searches maintenance records
- Gets remote detector rad/dark images and manually adds bad pixels
- Supports fully automated offset calibration and gain calibration
- Supports fully automated x-ray tube and generator calibration
- Provides an extension API for writing automated scripts
- Provides a chat system to communicate with technical support and clinic staff

SlymBridge

- Manages tens of thousands of SDHubs, detectors and generators simultaneously
- Supports multiple views: map view, list view, and group view
- Indicates detector and generator healthiness by updating status regularly
- Supports batch operations such as changing configurations and collecting maintenance records
- Includes a powerful search tool to find relevant detectors and generators quickly and easily
- Runs on Windows, iOS, and Android platforms
- Provides an extension API for writing automated scripts
- Includes a world map view that shows the statuses of all detectors and generators deployed worldwide