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ASTRA™

INFO SHEET

Candelis's ASTRA is a next-generation cloud service that provides a wide range of robust capabilities designed to complement ImageGrid and Candelis's other software products. Services include:

- Backup/Restore, Archive/Retrieve, and Disaster Recovery (DR)
- Seamless, secure sharing of complete studies
- Automated distribution of study imagery, reports, and key images to referring physicians
- Visualization of reports and key images using ASTRA Lite, a zero foot-print interface, or ASTRA Mobile, an application for iPad and iPhone
- Ability to perform inbound patient scheduling for referring physicians
- Monitoring and reporting on the ImageGrid platform

EASY BACKUP AND ARCHIVE

Our ASTRA Cloud solution provides easy backup and archive options. Store beyond your local on-premise system by choosing Backup that mirrors data on premise or Archive to store additional data and retrieve whenever needed.
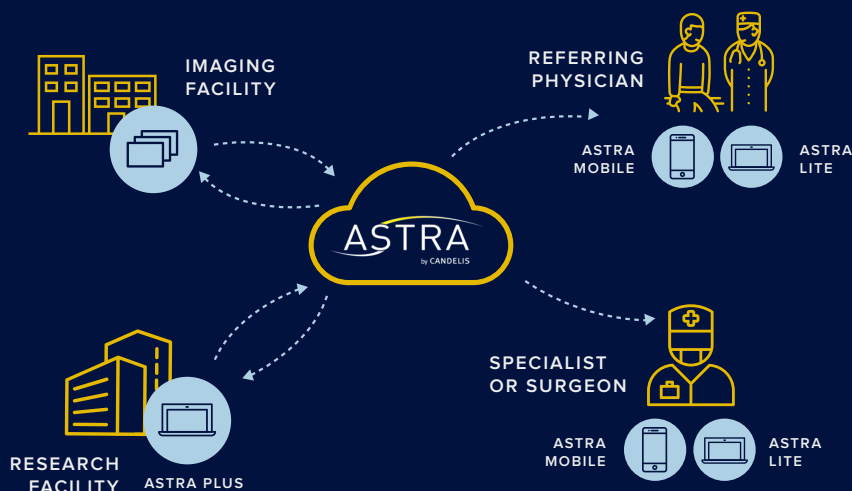
ASTRA SECURITY

The cornerstone of ASTRA is extremely robust security. Any object shared through ASTRA is heavily encrypted, using a proprietary

HIGHLIGHTS

- Cloud services for backup/restore, archive/retrieve, & disaster recovery
- Secure sharing of complete studies
- Automatic sending of studies to referring physicians
- Visualization of studies with zero-footprint ASTRA Lite
- Visualization of studies via iPad and iPhone with ASTRA Mobile app
- Study routing to PACS system with ASTRA Plus
- Image and report sharing via ASTRA Plus
- Diagnostic viewing of studies with ASTRA Plus

combination of object-unique symmetric keys, coupled with asymmetric encryption. All communications occurs over SSL. Only the object's original owner and the intended recipient possess the ability to decrypt it.

SHARING STUDIES

ASTRA allows users to securely share studies with external physicians and remote facilities. Complete studies can be shared in their original DICOM format with other ImageGrid systems or with ASTRA Plus clients. Study imagery and reports can be shared for visualization purposes to users who only need a thin client (ASTRA Lite) or mobile app (ASTRA Mobile). Any file can also be securely shared with ASTRA Plus.

IMAGING FACILITY

REFERRING PHYSICIAN

ASTRA MOBILE

ASTRA LITE

ASTRA by CANDELIS

SPECIALIST OR SURGEON

ASTRA MOBILE

ASTRA LITE

RESEARCH FACILITY

ASTRA PLUS

ASTRA Lite / ASTRA Mobile

ASTRA Lite is a zero-footprint browser-based web interface that enables the visualization of studies and reports stored in the ASTRA Cloud. Secure access to ASTRA is provided from anywhere via popular browsers, including Chrome, Internet Explorer, Firefox, and Safari. With ASTRA Lite's powerful features and tools, referring physicians can precisely examine studies and annotate findings.

ASTRA Lite can be accessed from any workstation or desktop for users with an ASTRA Cloud account. Studies and reports are securely hosted on ASTRA Cloud and can be retrieved instantaneously, without the wait time normally associated with downloading large-sized studies. Referring physicians can view and annotate studies without having to download large medical files to a local server or hardware.

ASTRA Mobile provides visualization capabilities for data stored in the ASTRA Cloud from IOS devices, such as iPads and iPhones. Referring physicians will be able to review studies and reports away from the office through the ASTRA Mobile application.

ASTRA Lite and ASTRA Mobile support a visualization of complete multi-modality studies, including tomosynthesis. Study reports, including key images, can be viewed or downloaded and saved as PDFs.

ASTRA Plus

ASTRA Plus is a downloadable software application with a robust DICOM engine, anonymization tools, CD/DVD support, and clinical trial support. ASTRA Plus also has diagnostic visualization capabilities. With ASTRA Plus, you can share any document at any time with anyone who also has an ASTRA account exchange studies with an ImageGrid. ASTRA Plus contains a robust DICOM engine running as a Windows service that provides for routing over a LAN or WAN using automatic rule-based routing and tag morphing tools. ASTRA Plus also provides a set of features for clinical trials, including collection of trial objects, in-depth analysis and quality control tools and anonymization tools. A diagnostic image viewer for general radiology, containing a wide variety of visualization tools, and viewing study reports is available on ASTRA Plus.

ASTRA PLUS – YOUR HUB FOR SECURE IMAGE AND OBJECT SHARING

ASTRA
by CANDELIS

IMAGEGRID APPLIANCE

RESEARCH FACILITY

ASTRA PLUS

RADIOLOGIST CLINICIAN & IMAGE QC

ASTRA PLUS