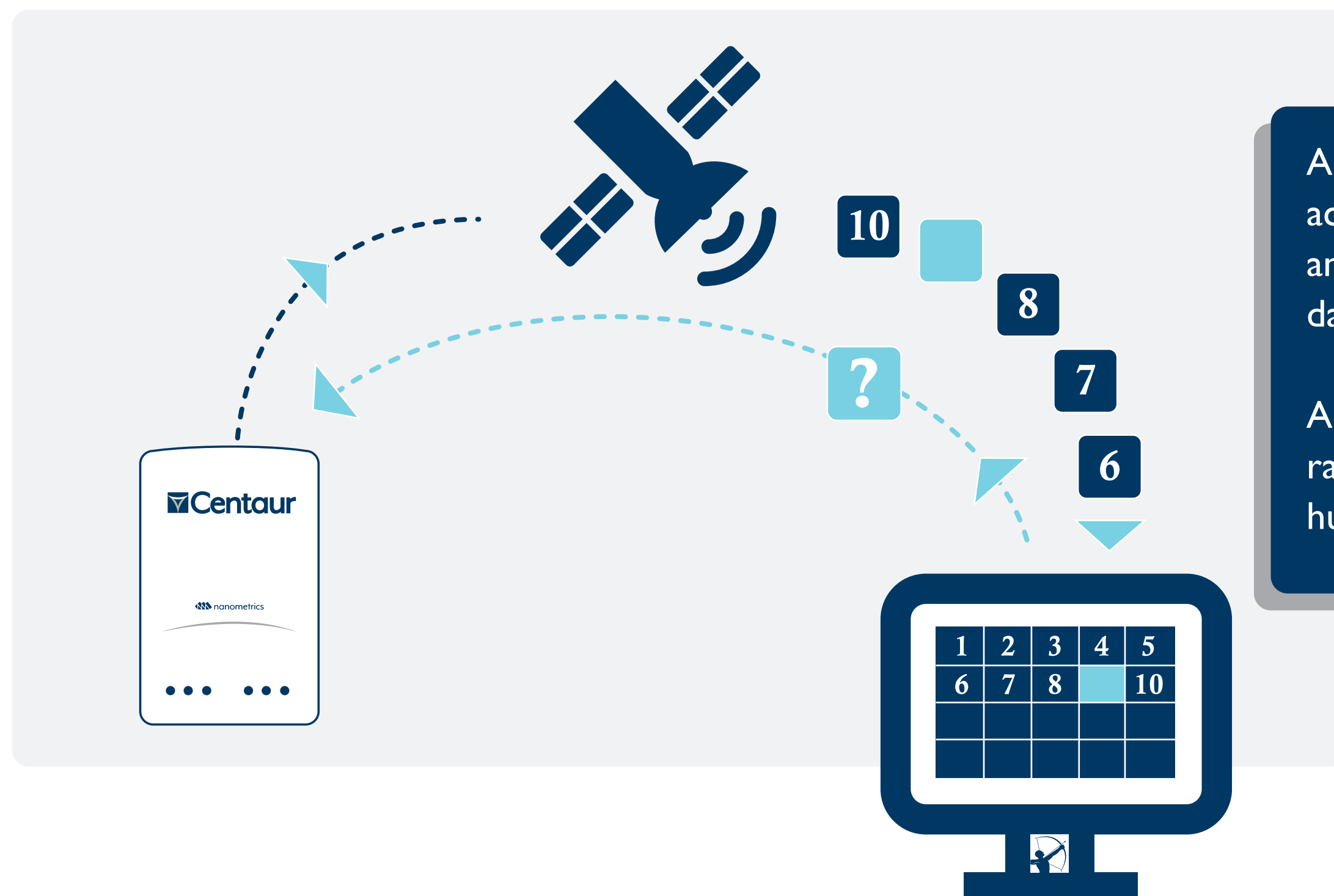


DATA INPUTS

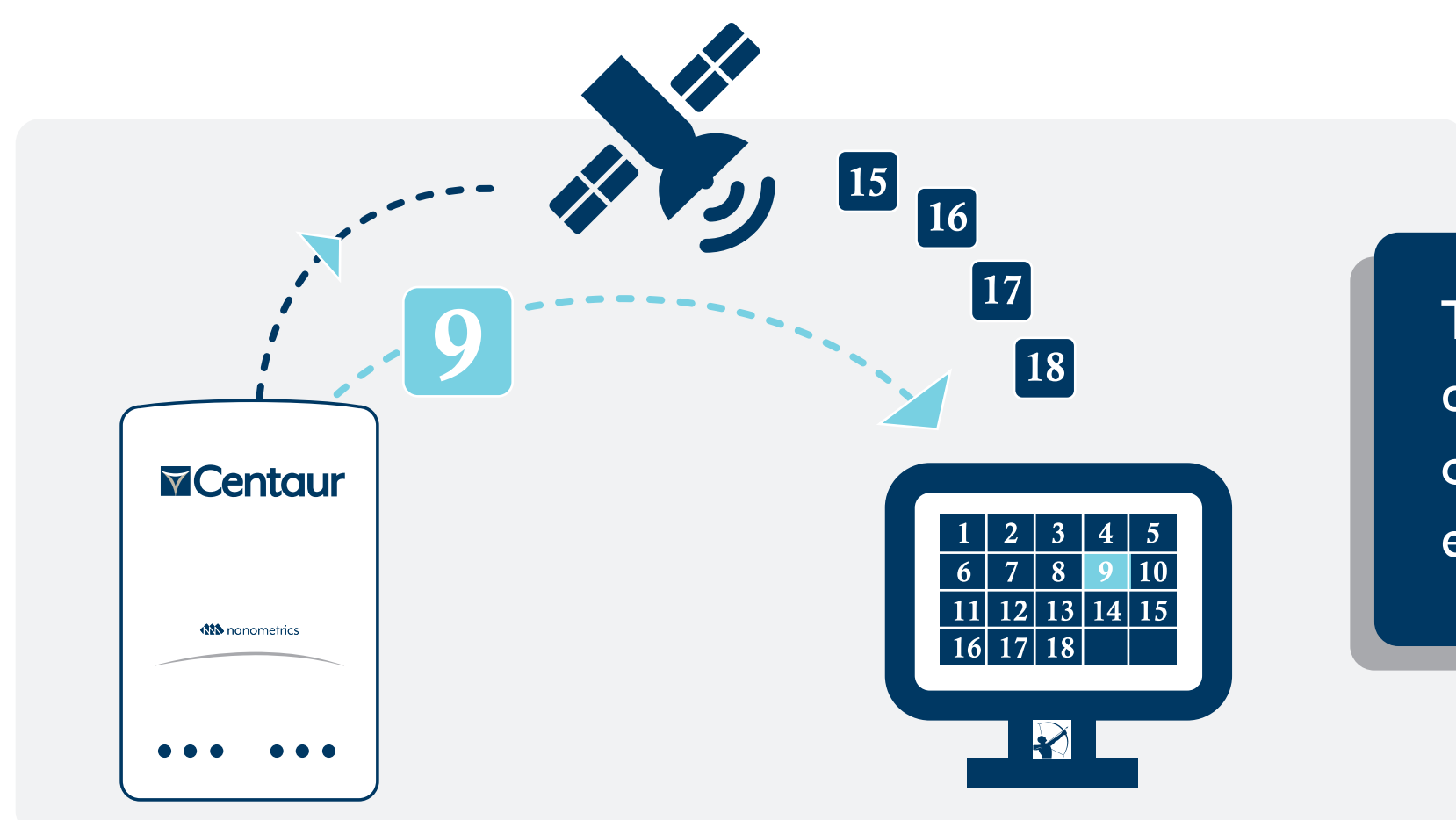


Apollo Server is a data acquisition software application designed to acquire continuous time series data, state-of-health data, triggers, and alerts from a wide range of remote field digitizers and SeedLink data sources.

Apollo Server is scalable and well suited for use in real-time networks ranging from small regional arrays to large national networks with hundreds of stations.

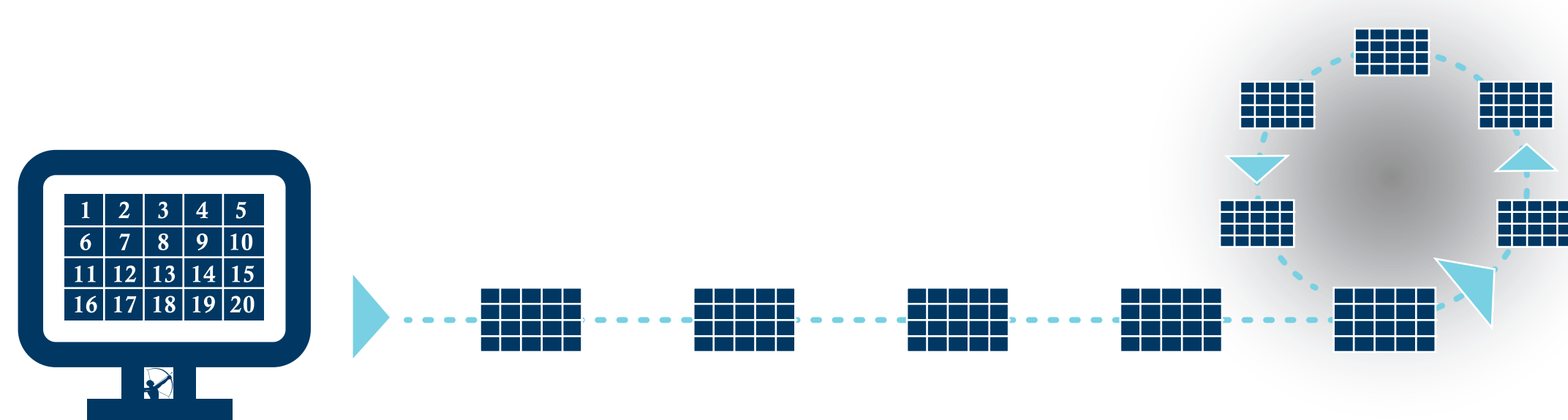
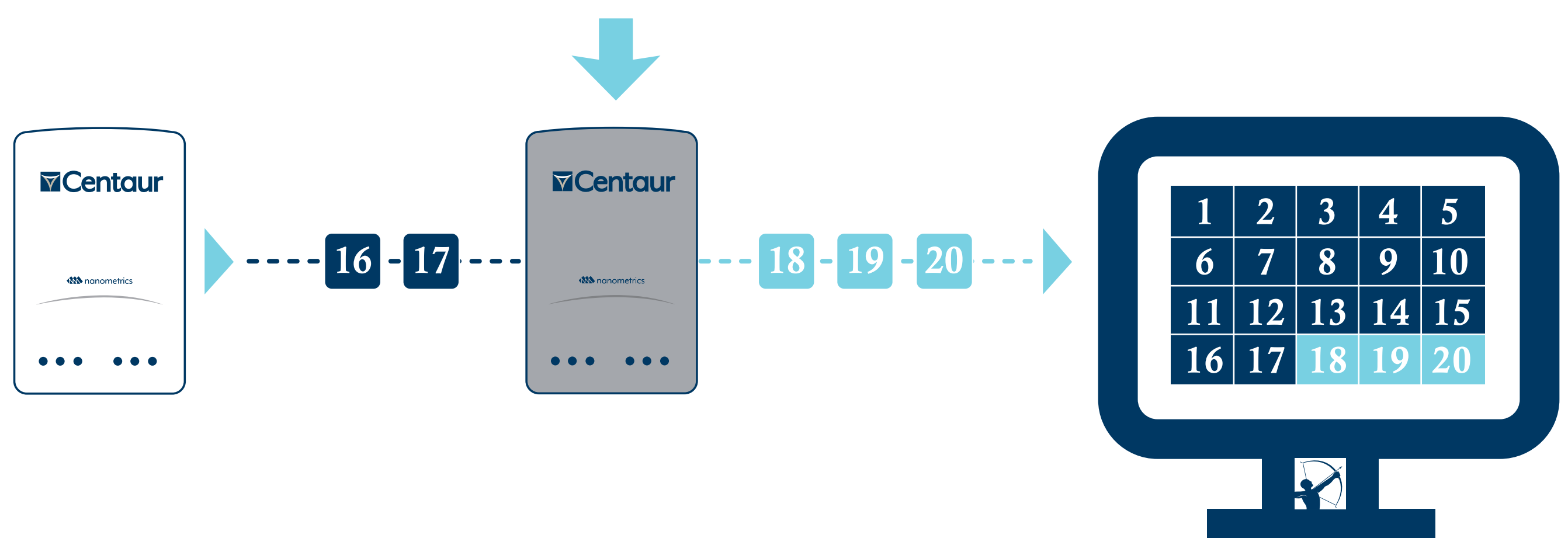
To ensure the continuous acquisition of data, Apollo Server uses an application error correction protocol that requests the re-transmission of any missing data.

Data gaps are identified using both time and packet sequence numbers.



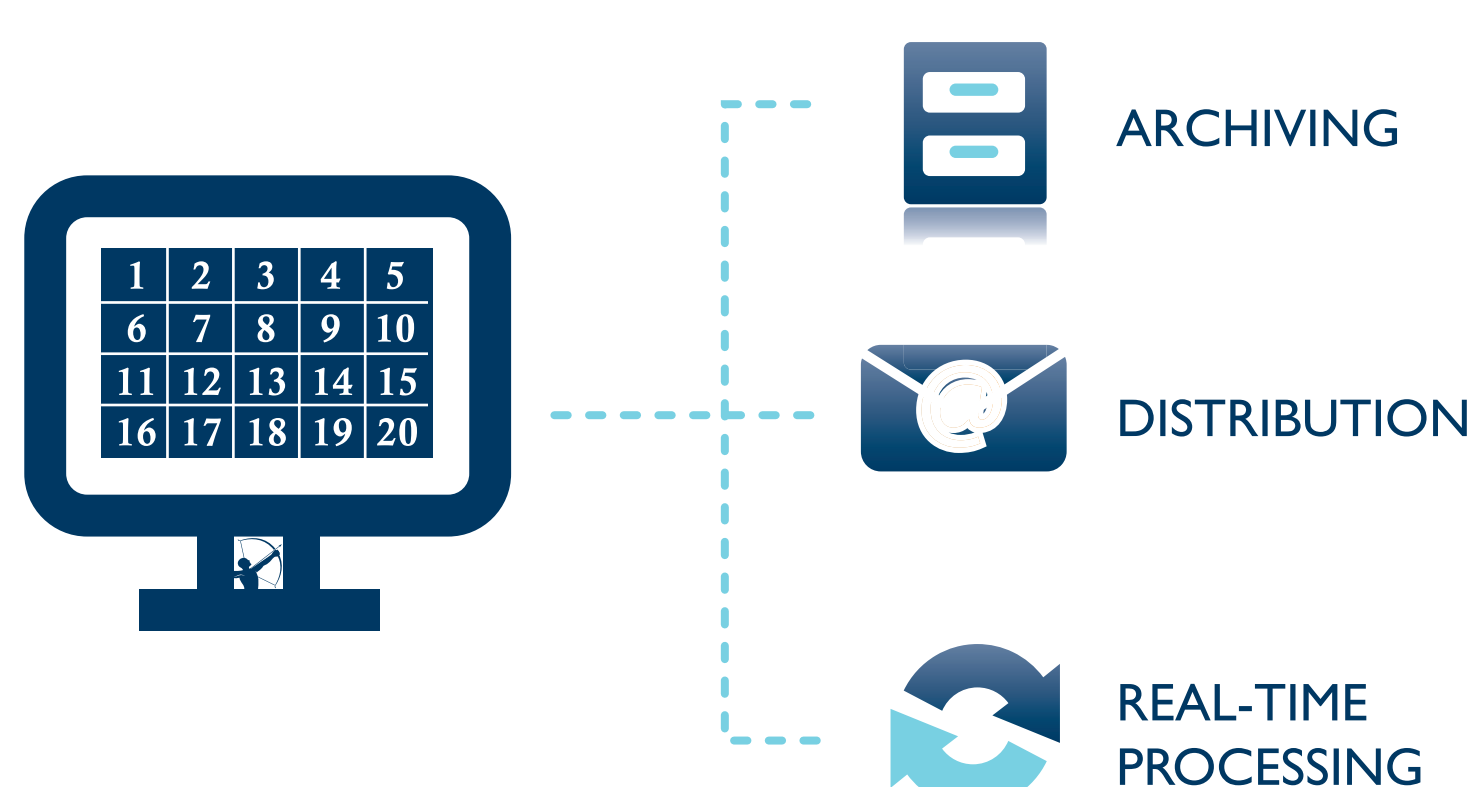
The error correction protocol is robust and persistent and utilizes the full duration of the data storage media at each of the remote sites. The protocol operates on all data connections for all data types and is over and above any error correction provided by the underlying IP protocol.

Packets are indexed to latitude-longitude coordinates, allowing the tracking of instrument changes and notification of users when changes are detected. This index also permits data to be recorded without the need to configure the central site to receive the data.



The data acquired by Apollo Server is written to its online ring buffer Store in the publicly available Nanometrics Protocol (NP) data packet format. An NP packet requires a specific data header but the actual payload can be anything from Steim-compressed data to Extensible Markup Language (XML) / Resource Description Framework (RDF) or even photographic images.

DATA OUTPUTS



In addition to the acquisition of data, Apollo Server distributes data to any application that supports NP or SeedLink formats allowing a wide range of software applications to interface with the various data types. Compatible formats include:

- Antares
- NpToNMXp
- Apollo Waveform
- another instance of Apollo Server
- Antelope
- SCREAM

Apollo Server is managed using a highly intuitive Web client that allows the completion of administrative tasks such as configuring the data retrievers and streamers, managing the Store, or shutting down the Web server.