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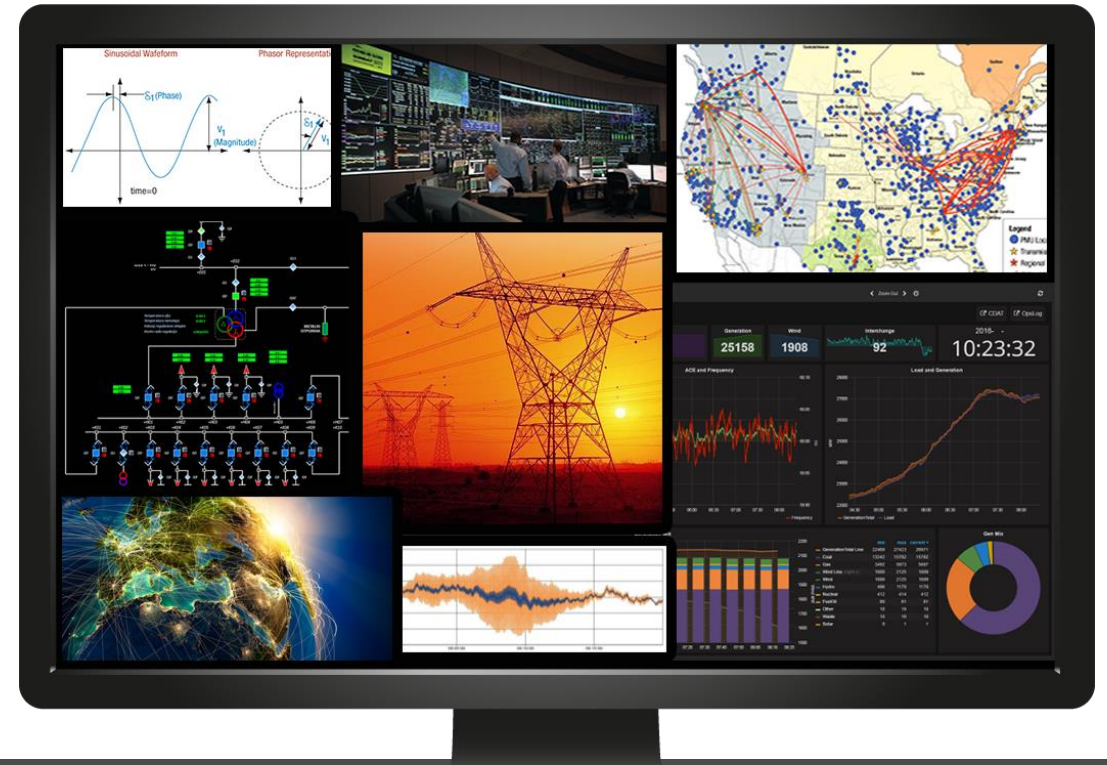
GPA Enterprise Edition Software – Licensing and Overview

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What is Enterprise Edition

- A new version of most common GPA Phasor Applications
  - Stream Splitter
  - OpenPDC
  - OpenHistorian

- Will also include features currently in
  - SIEGATE
  - Substation SBG
  - PMU Connection Tester*
  - ADAPT
  - OpenECA

- Will be available as open core – not open source
  - Changes to licensing model

- Current applications are 10+ years old

- Feedback from users
  - Difficult to include some newer features
  - Configuration is difficult
  - Applications are very flexible but difficult to leverage

- Changes in technology
  - Architecture is 10+ years
  - Changes in IT infrastructure capabilities
  - Changes in how synchrophasor data is used
  - Some components are near end of life

GRID
PROTECTION
ALLIANCE

- GPA is committed to open Source Software
- All GPA Synchrophasor Software is MIT License
  - Anyone can get the applications
  - Anyone has access to the source code
  - Anyone can take and modify the application
- Cost of Maintaining and Improving
  - GPA is relying on a small set of utilities to fund development
  - Anyone benefits from these efforts
- Limitations when including features
  - Anything not published under MIT can not easily be included
  - Anything closed source can not be included

- GPA is fully committed to open Source

- GPA can publish core functionality as Open Source

- GPA can use open source components in it's products

- GPA continuous to improve open source components
  - Slower pace
  - More selectively

- Applications are closed source
  - Can include closed source components

How does this Affect You

- **Customers with Maintenance agreements will receive a license**
  - No effect on operations
  - May need to agree to a license agreement during update

- **Customers without current Maintenance agreement**
  - GPA offers maintenance agreements and will include license in agreements

- **Customers who end their Maintenance agreement**
  - Licenses are perpetual. Without active maintenance agreement you can not get newer versions, but you are able to continue use of the currently installed version

- **Universities, National Labs, R&D Organizations**
  - GPA will provide educational or R&D licenses to your organization at no cost

- **Developers**
  - The core functionality continues to be open source
  - GPA maintains control of the non-core portions – we get to decided who to grant access

- Scope of current maintenance agreements will turn into Scope of Licenses

- A single License can cover an unlimited number of instances

- A single License only covers one (Electric) Operating Environment
  - E.g. openPDC at the substation => single Environment, openPDC at Control Center => second Environment
  - Second instance of openPDC for backup is covered
  - Any Test/Acceptance/PreProd environments are covered under a single license together with Production

GRID PROTECTION ALLIANCE

- In addition to the open Core Libraries GPA will maintain an open source version of each application

- Updates to opens source versions are slower

- Open source versions may not contain all features

  - Simplified User Interfaces

  - Fewer Notification and Reporting Features

  - Will not work with all Modules (e.g. ICCP module or MANTRA)

- EE release expected January 2025

- Open source release to follow 2025

- We will release one more "old version"
  - Includes any improvements made up to this point
  - Will not be maintained in past 2025
  - GPA may provide security patches though end of 2025

- Upgrade will be a standard update
  - No need for complex infrastructure changes
  - No need for complex license management

Simplifying Synchrophasors

- Synchrophasors Applications are complex
  - PDC, Historian, State estimator, SCADA Tie-ins, Data analytics, engineering applications
- GPA Products are complex
  - 20+ GPA Applications
  - Significant overlap
- We are committed to simplify
  - openPDC will continue to support many protocols
  - We will continue to work with other Vendors, Utilities etc to ensure interoperability
- Reduced number of GPA applications
  - EE consist of openPDC, openHistorian and Stream splitter
  - GPA will retire some applications throughout 2025
- We are committed to functionality
  - Features may move or get added to other applications
  - No functionality lost
  - We will continue to support applications with ongoing agreements
  - We may offer to switch maintenance agreements to other applications

Partnering with Vendors

- GPA believes choice in Vendor is important
  - Flexibility to choose from various analytics and platforms
  - Flexibility to have multiple vendors analytics
- GPA has partnered with Analytic Vendors
  - Artemes (Hardware and Power Quality)
  - PingThings (Data Analytics)
  - Synchrophasor Informatics (MANTRA)
- Simplifies Infrastructure if GPA products work well with others
- GPA continues to work with well with Vendors and Industry Organizations