

## KYZEN ANALYST Data Services Frequently Asked Questions

**Q: What is the difference between the current features (Data Capture, graphical trending, machine operation data, etc.) of the KYZEN PCS and what is offered by the KYZEN ANALYST Data Services?**

**A:** The KYZEN PCS logs critical operating information locally to the onboard USB port (USB flash drive installed). Users can physically remove the drive or connect over a local area network and then open the files in Excel. The files provide an activity log of when the PCS made an addition or had an error; however, they do not continuously track performance between additions over an extended period of time.

**Q: What are the benefits of PCS integration with ANALYST Data Services?**

**A:** PCS integration with ANALYST Data Services provides four key benefits:

1. Data resolution: Ten seconds or better - uploads to the secure cloud every few seconds to provide near, real-time process analysis.
2. Peace of mind: By creating user-defined trigger parameters, the ANALYST Data Services tool will continuously monitor the process and will immediately alert the designated people if a threshold is exceeded.
3. Powerful data visualization tools: The web portal allows you to view customized dashboards and review operating trends from anywhere there is an internet connection.
4. Audit protection: By uploading to the secure cloud service, you have a long-term historical record of your process. No worries about the USB drive being lost, corrupted or erased.

**Q: Why was KYZEN ANALYST Data Services developed?**

**A:** Data driven decisions are critical to successful businesses today. Industry 4.0 is real and happening now. KYZEN recognizes this evolving business world and is the leader and innovator of cleaning process technology.

**Q: What other products in the electronics cleaning industry are similar to KYZEN ANALYST Data Services?**

**A:** There is no other product or service that delivers the custom, real-time data analytics of the ANALYST Data Services. KYZEN has the only data service platform for process reliability for the electronics cleaning industry.

*(NOTE: Aegis/Mentor Graphics systems are focused on the entire plant.)*

## KYZEN ANALYST Data Services FAQs

**Q: Am I able to control the KYZEN PCS from the ANALYST Data Services webpage?**

**A:** No, the PCS only uploads data to the secure server. For security purposes the webpage does not accept or received commands.

**Q: How do I make sure my new KYZEN PCS is enabled with ANALYST Data Services?**

**A:** All KYZEN PCS units shipped after October 1, 2017, will include the necessary hardware built-in.

**Q: Can I enable KYZEN's ANALYST Data Services on my existing PCS unit?**

**A:** Yes. KYZEN can upgrade your existing KYZEN PCS (Type I, II or III) with the Industry 4.0 enabled ANALYST Data Services hardware.

- KYZEN will provide the new hardware free of charge. Just pay for a standard field service call (plus travel expenses). The KYZEN field service engineer will install the unit, provide training, as well as review your PCS and wash process to ensure everything is operating properly.

**Q: What type of connection is required?**

**A:** The KYZEN PCS must be able to upload data to the internet.

- Ability to run an Ethernet cable to the PCS unit.
- A static IP address is not required.
- Firewall rules that only allow outbound data are acceptable

**Q: I can't connect to the corporate network, is there another option?**

**A:** Not currently, but KYZEN engineering experts are developing a wireless network-free option that should be available in 2018.

**Q: Will ANALYST Data Services hardware interfere with the remote capability I already have with the GP-Viewer?**

**A:** No, the data upload to ANALYST Data Services will not interfere with any new or previously existing LAN connection to the PLC.

**Q: What is the cost for ANALYST Data Services? Is there a subscription?**

**A:** Access to ANALYST Data Services is included at no additional charge for the first 12 months with the purchase of a new KYZEN PCS unit or field upgrade. For further pricing details, please contact your KYZEN cleaning expert.

**Q: Will KYZEN share my data publicly?**

**A:** No, KYZEN will not share any data without prior written consent.

## KYZEN ANALYST Data Services FAQs

**Q: How secure is my data?**

**A:** KYZEN is continuously working with industry experts to ensure your data is as secure as possible. Here are just a few of the steps we have taken so far:

- KYZEN's ANALYST Data Services utilizes AWS (Amazon Web Services), a recognized leader in cloud data security
- All data is stored in an anonymized data lake to ensure privacy
- De-anonymization is access controlled by an entirely separate system that employs encryption at rest
- All symmetric key cryptography is AES256

**Q: Can I set up multiple access levels for my engineers/technicians?**

**A:** Not currently, but the primary user account can share the data visualization with colleagues they designate to provide read-only access to the data.

**Q: Can I generate reports?**

**A:** Yes, our intuitive software platform allows you to create custom visualizations in several formats including dashboards, stacked data streams and more allowing you to compare two time periods and visualize them overlapped. The onscreen images are easily copied and saved for reporting, and the data can be exported into Excel for further analysis.

**Q: Will it track bar code data for all my boards?**

**A:** No, the KYZEN PCS integration with ANALYST Data Services only tracks process information (concentration, chemical usage, wash pump run hours, etc). It does not track or save any product related data (barcodes, part numbers, etc.). This approach allows us to enhance security.

**KYZEN ANALYST Data Services FAQs**

**Stacked Data View**



**Dashboard View**

