



## G3-Alliance Infoletter December 2023



G3-Alliance wishes all members  
a Merry Christmas  
and  
a Happy NEW YEAR!

**G3-Alliance**

Dear G3-Alliance members and supporters,

As 2023 comes to an end, we at G3-Alliance extend our warmest holiday greetings and best wishes for the upcoming year. This year has been significant for our Alliance, marked by new deployments, technical advancements, and further growth of our memberships. We want to extend a big thanks to all members and supporters for their contribution to the success of G3 technologies!

### Some of the Highlights in 2023:

- **Technical Advancements:** We celebrated the release of Certification Version 7, enhancing our G3-Hybrid PLC+RF solutions with new features like Frequency Hopping and Last Gasp. This positions G3 as a truly global standard, compliant with various international regulations.
- **Collaborative Efforts:** In collaboration with DLMS UA, we introduced DLMS compliance and compatibility certification over G3-PLC/G3-Hybrid, simplifying interoperability for DSOs.
- **New Members Welcome:** Six new members joined our alliance, broadening our expertise and global reach. These include COTE D'IVOIRE DIGITAL WIFI, Corinex, Plexigrid, NIK-Elektronika, 4S4 Production and Ningbi Siwave Microelectronics each contributing unique skills to our technology community.
- **Event Highlights:** Our active participation in major events like Enlit Europe showcased our commitment to promoting G3 technology globally. During this event, we also organized the last General Assembly Meeting of 2023 with many member presentations followed by a well-attended and lively dinner.



- **Application News:** The year witnessed the initiation of G3-Hybrid deployments in diverse regions, demonstrating the versatility and global applicability of this advanced solution.

We hope you enjoy reading the latest developments below and look forward to another great year enabling the smartest grid together!

Marc Delandre, Chairman

Leon Vergeer, General Secretary

## New G3 Certification Version 7 was released

The new certification version released in October 2023 references the G3-Alliance's March 2022 specification and brings crucial enhancements to the G3-Hybrid PLC+RF solution:

- Frequency Hopping
- Last Gasp
- RF/PLC Media Switching Improvements
- Additional RF Bands

Testing for G3 Certification is performed by two esteemed test laboratories: LANPARK in France and TÜVRheinland in Japan. G3 certification testing includes testing of performance, interoperability, and compliance.

Members can find all relevant documentation on our website after logging in: [Click here!](#)

## DLMS certification over G3-PLC/G3-Hybrid

In a significant move for interoperability, G3-Alliance, in partnership with DLMS UA, introduced DLMS certification for G3-PLC/G3-Hybrid devices, ensuring compliance and compatibility. This initiative includes the development of G3 "Golden Communication Devices", providing a robust test bench for G3 communication. The collaboration also led to the creation of DLMS Generic Companion Profiles, tailored for specific domains like smart metering, EV charging, and remote display, ensuring seamless device integration and functionality. This partnership marks a major step in interoperability, reducing supply chain risks and enhancing the efficiency of the energy infrastructure.

[Click here for the related article on Smart Energy International!](#)

## New members

We are happy to announce 6 new members to our Alliance in 2023. G3-Alliance

is now supported by an international group of nearly 100 DSO's and industrial players from 30 countries worldwide!



Plexigric



## Event Highlights

This year, Enlit Europe took place from November 28<sup>th</sup> till 30<sup>th</sup> in Paris, France. The G3-Alliance booth featured many G3 applications and offered many networking opportunities.

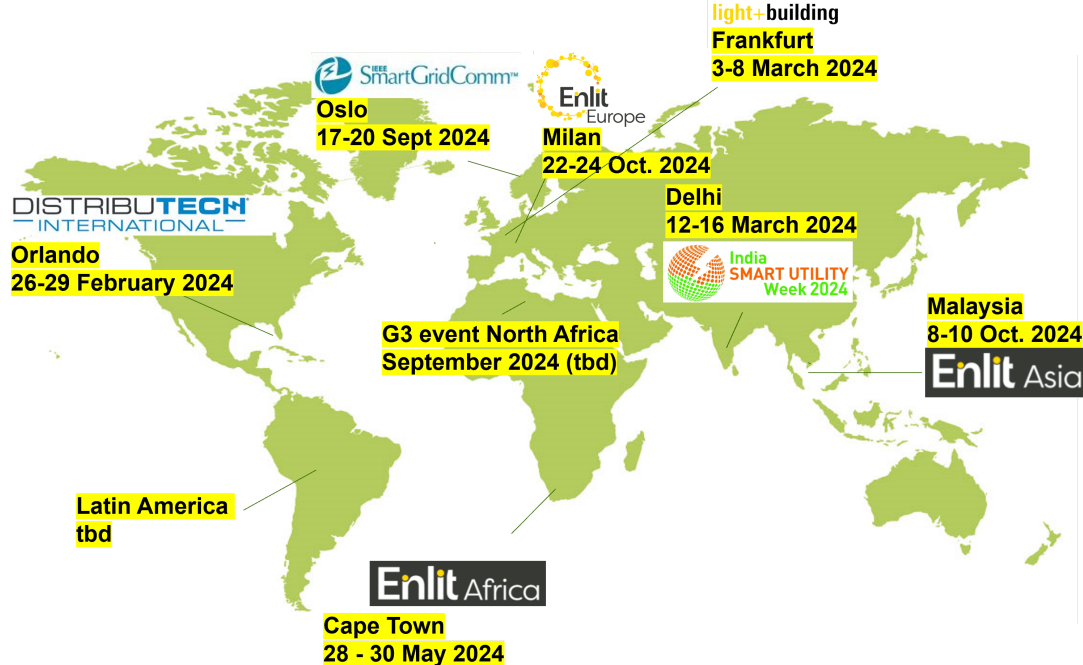
Watch the video below about G3-Alliance at Enlit Europe!



Looking ahead, the Alliance currently plans its presence at relevant fairs and conferences for 2024. The next big event is Distributech, which takes place in Orlando, USA from 26 - 29 February 2024.

Further information will be provided in the coming weeks.

For our recent posts and other updates, please check our LinkedIn page: <https://www.linkedin.com/company/g3-alliance>



## Application News

During our General Assembly meeting in November, several members presented their projects and experience with G3-technology. This was very interesting as it included many deployments all over the world and showed how flexibility in the grid can be realised.

### 1. Wasion's Experience with G3-PLC and G3-Hybrid Implementation:

- Wasion has been implementing G3-PLC technology in Egypt and Malaysia, contributing to the modernization of their energy infrastructures.
- In Egypt, Wasion's deployment has focused on enhancing smart metering systems, improving energy distribution efficiency, and data accuracy.
- In Malaysia, the focus has been on leveraging G3-PLC for reliable communication in smart grid applications.
- Wasion is also developing a G3-Hybrid implementation, combining PLC and RF technologies to overcome challenges in powerline communication and extend the range and reliability of their smart grid solutions.

### 2. Neuron and EKZ's G3-PLC Based Load Control:

- Swiss Distribution System Operator (DSO) Neuron and EKZ collaborated on a G3-PLC based load control project in Switzerland.
- The project's aim is to manage grid costs effectively and increase the efficiency of local energy consumption.
- By utilizing G3-PLC technology, they have been able to implement smart load control, optimizing energy usage during peak hours and enhancing overall grid stability.

### 3. L+G's Demand Side Management Project:

- L+G's project demonstrates the use of G3-PLC for Demand Side Management (DSM), a key strategy for DSOs to manage energy demand and supply.

- This project showcases how DSM can be implemented cost-effectively using G3-PLC technology, allowing for real-time control and communication with grid-connected devices.
- The project emphasizes on balancing energy load, particularly with the integration of renewable energy sources and electric vehicles.

#### 4. **Plexigrid's Peak Load Management:**

- Plexigrid's project focuses on managing peak loads in electricity grids through software solutions.
- Their approach involves active management and reduction of peak loads, which is more cost-effective and faster than traditional hardware-based solutions.
- By implementing this strategy, Plexigrid claims to reduce electricity distribution costs by 35%-40%, enhancing grid efficiency and reducing the need for expensive infrastructure upgrades.

#### 5. **Eastsoft's G3-Hybrid Deployments:**

- Eastsoft has deployed G3-Hybrid technology in many countries including in Middle East and Asia.
- These deployments demonstrate the adaptability of G3-Hybrid technology in various international contexts, showcasing its effectiveness in different grid environments.
- The success in these countries highlights the global reach and efficiency of G3-Hybrid technology, emphasizing its suitability for diverse grid conditions.

#### 6. **Sagemcom's 50K Meter Deployment in Egypt:**

- Sagemcom's significant deployment of 50,000 meters in Egypt using G3-PLC technology represents a major milestone in smart metering.
- This project, in partnership with Globaltronics, underlines the robust performance and reliability of G3-PLC technology in a large-scale, real-world setting.
- The deployment contributes to the modernization of Egypt's energy infrastructure, enhancing grid management and energy distribution efficiency.

These projects collectively demonstrate the versatility, efficiency, and global applicability of G3-PLC and G3-Hybrid technologies in various smart grid applications. The presentations are available on <https://g3-alliance.com/videos...>

## Follow G3-Alliance on Social Media

Support the Alliance on social media! The Alliance has accounts on Twitter and LinkedIn. Please follow us and like and share our postings.



34 place des Corolles, Paris  
France

[Unsubscribe](#)

