



Dear G3-Alliance members and supporters,

The past months have marked an important milestone for the G3-Alliance. Our certification program is on track to reach a record high this year, confirming the strength and adoption of G3-PLC and G3-Hybrid across the world. At the same time, the new Certification Release V8 is entering its final validation phase, introducing key new features such as certification of battery-powered device and enhanced security.

We're also pleased to welcome new members to our community and to prepare for key events, including Enlit Europe 2025 in Bilbao, where our General Assembly will take place. You'll find all the details in this issue.



Thank you for your continued commitment and contributions — they drive the success and innovation of G3 technologies. We look forward to meeting many of you in Bilbao and hope you can join us in the next General Assembly group photo!

Marc Delandre, Chairman

Leon Vergeer, General Secretary

Upcoming New Certification Release

Following the publication of the latest G3 Specification in July 2025, we are pleased to announce the upcoming Certification Release V8!

The new Certification Test Tool has been provided to the certification laboratories TÜV and LANPARK, who have begun validating all new and updated test cases. The official release of Certification Version 8 is expected later this year, in November or December.

Key New Features in Certification V8 include the following:

- **Certification for Battery-Powered Devices**
G3 now supports communication with battery-powered devices connected over RF. A new certification profile, Battery-powered RF, has been introduced for these devices. The Parent and Leaf Node functionalities are now optional parts of existing hybrid certification profiles.
- **FCC Subbanding**
The new FCC subbanding feature enables more versatile and efficient use of PLC communications within the FCC band, especially in cases of frequency-selective channels or high attenuation.
Certification V8 includes testing of static configuration during runtime using the new macPLCBandplan attribute (values: CEN A, CEN B, ARIB, FCC, FCC Low, FCC High). Switching between different subbands is managed at the application layer through an implementation-specific mechanism.
- **Enhanced Security**
AES-256-CCM encryption at the MAC layer has been introduced, based on the IEEE 802.15.4y-2021 amendment (now part of IEEE 802.15.4-2024). This upgrade increases the security margin compared to AES-128 and offers improved resilience against potential quantum attacks, including Grover's algorithm.

Additional improvements include better handling of RF background noise and the possibility to redirect traffic towards default gateways, and enhanced verification of RF reception capabilities in devices.

We look forward to sharing more details once **Certification Version 8** is officially released!

General Assembly Meeting in Bilbao

The next **General Assembly** of the G3-Alliance will take place during **Enlit Europe** in **Bilbao** on **Tuesday, November 18th from 5:00 – 20:00 PM, followed by a dinner**.

Email invitations with event details have already been sent to members.

The agenda will include:

- Approval of the **2026 budget**
- Updates from the **Technical Working Group**
- Information on the upcoming **Certification Release V8**
- **Member presentations** on G3 implementations and applications

If you have not received your invitation, or want to propose a presentation, please contact generalsecretary@g3-alliance.com.



New Members

We are pleased to welcome two new members who have joined the G3-Alliance in October:

- **MCX-PRO** – A newly established company based in Hungary, focused on producing electricity smart meters with modular communication options.
- **ModemTec** – A well-established technology company specializing in smart energy solutions with a strong focus on **Power Line Communication (PLC)**.
□ www.modemtec.com

With nearly 100 DSOs and industry players from over 30 countries, the G3-Alliance continues to grow as a truly international platform for collaboration and innovation. You can find the complete overview of our members [here](#).



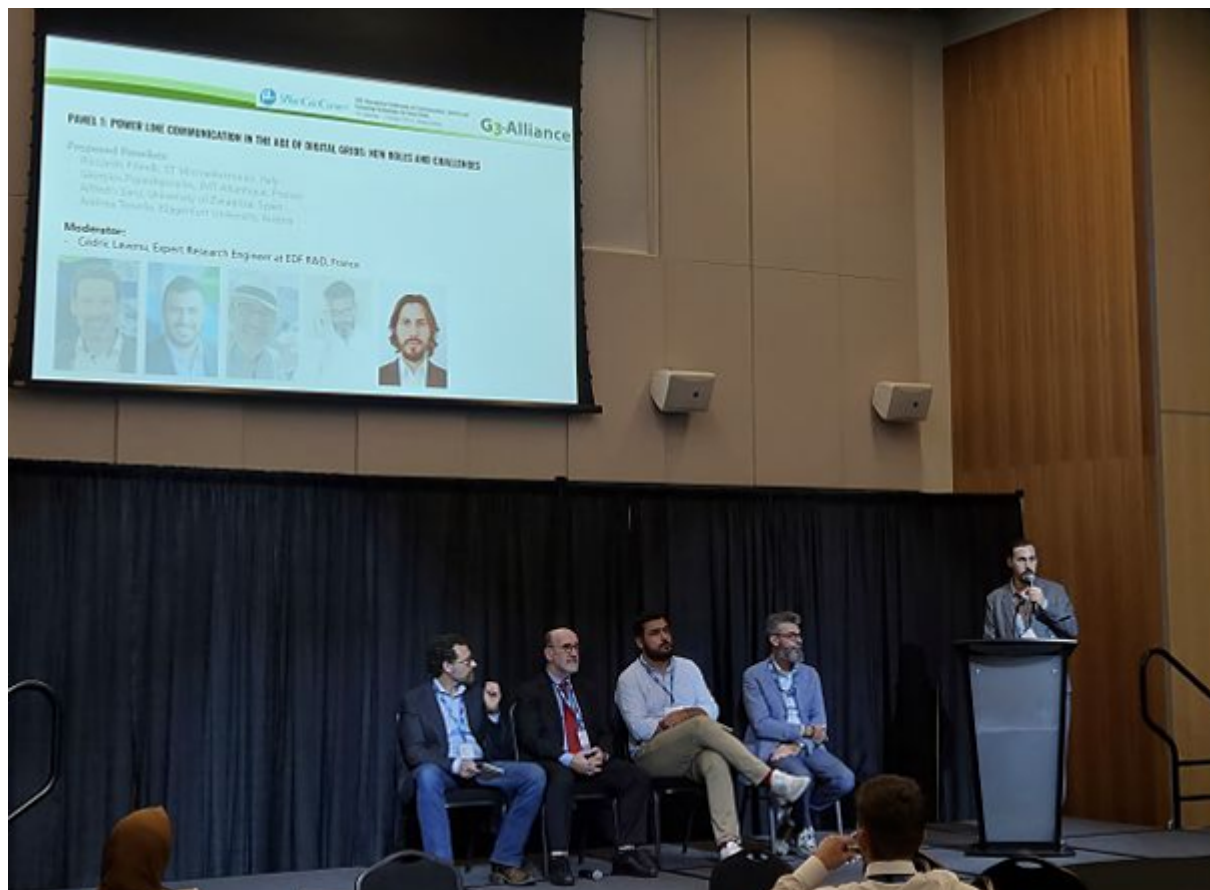
Event Highlights

G3-Alliance was present at several major events in September 2025:

Enlit Asia (Bangkok, Sept 9-11): 13 members of the G3-Alliance were exhibiting. We presented the Linky program and the Hybrid technology and discussed about G3-Hybrid with multiple DSOs in the region.



- **IEEE SmartGridComm (Toronto, Sept 29 – Oct 2)**: G3-Alliance was Silver Sponsor and Cédric Lavenu (EDF R&D and lead of our Technical Working Group) moderated the panel “Power Line Communication in the Age of Digital Grids: New Roles and Challenges”.



FISE Colombia, November 11–13

We have a stand and together with some of our members we will make a presentation on Wednesday, November 12 at 5:00 PM COT.



We will share insights from one of the world's largest smart meter rollouts and explore how G3-Hybrid delivers real interoperability, avoids vendor lock-in, and guarantees long-term support and flexibility for utilities! You can register [here](#) for the event using the code FISE121.

Enlit Europe Bilbao, November 18–20

The G3-Alliance will be exhibiting at Enlit Europe 2025. Our booth will showcase as usual many certified devices, highlight the latest G3 developments including the new Certification Release V8, there will be a demo of G3-Hybrid communication and representatives of our certification labs and Alliance members will be present in our stand. We will have regular in-booth presentations by experts on field deployments, interoperability, and Hybrid evolution.



Distributech San Diego, February 2–5, 2026

In 2026 we will again be present at Distributech in US with a stand to promote G3-Hybrid technology together with our members.

G3-Alliance

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