Launching new projects
LF Energy governance: splitting technical and business decisions

- Established projects are run by their respective Technical Steering Committees (TSCs)
- Open access & meritocracy
- The inception of new projects is driven by LF Energy’s Board and TAC
- Requires Membership
LF Energy Project Lifecycle

1. Special Interest or Working Group
2. Project Proposal
3. Incubator
4. Early Adopter
5. Graduated
6. Emeritus (archived)
Focus on the Digital Substation
Functions @ Digital Substation

- Measuring, sensing, actuation
  - Including high voltage equipment
- Communication
  - with equipment within the substation
  - with external (central or local) systems
- Automation & protection
- Supervision, configuration, maintenance
Why a call for open source collaboration?

• We believe that open source collaborations are essential to achieve the required level of **modularity**, **interoperability** and **scalability** for the next generation of digital substation systems.

• Open source collaborations are also needed to meet those requirements in a cost-efficient way by sharing the effort through a **leveraged development** approach that involves all stakeholders from equipment manufacturers to end-users.
Design Teams

- The purpose of the Design Teams is to carry out preparatory works for the inception of open source projects under LF Energy umbrella.

- They will aim at building **common roadmaps** and at identifying the individual **contributions** that each party would commit to the projects.

- There is no commitment to participate to the future projects by participating to the Design Teams. Participation to the projects will be decided at the end of the preparatory works based on each party’s agreement with the roadmap and contributions.
2 Design Teams, aiming at 2 Projects

#1-a) A model specification of the IEC 61850 implementation at the power grid substation that would constitute the basis of the modular, interoperable and scalable framework

#1-b) A system configuration toolbox based on the previous IEC 61850 model aiming at multi-vendor interoperability and functional flexibility for end users

#2) A platform for running real-time virtualized automation and protection applications providing the following features: isolation, real-time performance, hardware and software supervision, redundancy, time synchronization, application orchestration, configuration and cybersecurity services
Projects coming next?
Your projects?