TAC Meeting

15 February 2022

Antitrust Policy Notice

Linux Foundation meetings involve participation by industry competitors, and it is the intention of the Linux Foundation to conduct all of its activities in accordance with applicable antitrust and competition laws. It is therefore extremely important that attendees adhere to meeting agendas, and be aware of, and not participate in, any activities that are prohibited under applicable US state, federal or foreign antitrust and competition laws.

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Agenda

Opening (25 Minutes)

- **Landscape updates**
- **TAC Sponsors for projects**
- **Summary of last TAC meeting & Updates from the Board Meeting**

TAC Business (50 Minutes)

- Standards Project and Working Group Lifecycle Proposal
- FledgePOWER Annual Review

Outreach updates (10 Minutes)

Closing and next meeting (5 Minutes)

TAC Voting Members
New members in **bold**

Full Name	Account Name	Appointed By
Boris DOLLEY	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - OperatorFabric
Anne Tilloy	RTE (Reseau de Transport dElectricite)	Vote of TSC Committee - PowSyBl
Carmen Best	Recurve	Vote of TSC Committee - OpenEEmeter
Arjan Stam	Alliander	Membership Entitlement
Jonas van den Bogaard	Alliander	Vote of TSC Committee - GXF
Benoît Jeanson	RTE (Reseau de Transport dElectricite)	Membership Entitlement
Antonello Monti	RWTH Aachen University	Vote of TSC Committee - SOGNO

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LF Energy Hosted Project Leads

Changes in **bold**

Project	Project Lead(s)
PowSyBl	Anne Tilloy, RTE
OperatorFabric	Boris Dolley, RTE
OpenEEmeter	Carmen Best, Recurve
GXF	Jonas van den Bogaard, Alliander
SOGNO	Antonello Monti, RWTH Aachen University
CoMPAS	Frederic Fouseret, RTE
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimenia Korompili, RWTH Aachen University
openLEADR	Lonneke Driessen & Stan Janssen, OpenADR
SEAPATH	Eloi Bail, Savoir-faire Linux
Grid Capacity Map	Per Lysemose Hansen, Energinet
Shapeshifter	Jelle Wijnja, Alliander
OpenSTEF	Frank Kreuwel, Alliander
EVerest	Marco Möller, PIONIX
OpenGEH	Martin F. Hansen, Energinet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.

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Working Groups

Name	Description	Lead
Full Architecture WG (FAWG)	Architecture standing committee to develop the overall architecture for LF Energy	Benoît Jeanson, RTE
Data Architecture WG (DAWG)	Working group on Data Architecture	TBD

Landscape now with more project info!

We are using the LF Energy Landscape to showcase more project information:

- Mailing List/Slack Channel
- LFX Insights
- SBOM
- Wiki
- TSC Meeting Notes
- Calendar
- Contribution Guidelines

ACTION: Project leads please review your entry and ensure it is accurate; issue PR for any changes needed.

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SOGNO

LF Energy Early Adoption		LF Project
Open Source Software		License Mozilla Public License
CII Best Practices 25%		

more... total: ⭐52

Crunchbase	crunchbase.com/organization/lf-energy		
LinkedIn	linkedin.com/company/lf-energy		
Twitter	@LFE_Foundation	Latest Tweet	this week
First Commit	5 years ago	Latest Commit	3 weeks ago
Contributors	35	Headcount	1-10
Headquarters	San Francisco, California		
Mailing List	https://lists.lfenergy.org/g/sogno-discussion		
Slack Channel	#sogno		
LFX Insights	https://insights.lfx.linuxfoundation.org/projects/lfenergy%2Fsogno		
Wiki Page	https://wiki.lfenergy.org/display/HOME/SOGNO		
SBOM	https://github.com/lfscanning/spdx-lfenergy/tree/main/sogno		
TSC Meeting Notes	https://github.com/sogno-platform/tsc/tree/master/tsc/meetings		
Calendar	https://lists.lfenergy.org/g/sogno-tsc/calendar		
Contribution Guidelines	https://github.com/sogno-platform/tsc/blob/master/CONTRIBUTING.md		

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TAC Sponsors for projects

As part of the benefit for LF Energy projects, the TAC has a sponsor for each project.

"Appointment of an existing TAC member by the TAC that will act as a sponsor of the project and provide recommendations regarding governance best practices."

ASK: Volunteer to be a TAC sponsor for a project

Project	Current Level	TAC Sponsor
CoMPAS	Incubation	
Data Architecture Working Group (DAWG)	Working Group	
EVerest	Incubation	
FledgePOWER	Incubation	Benoît Jeanson
FlexMeasures	Incubation	
Full Architecture Working Group (FAWG)	Working Group	
Green Data Hub	Incubation	
Grid Capacity Map	Incubation	
GXF	Early Adoption	Jonas van den Bogaard
Hyphae	Incubation	Antonello Monti
OpenEEmeter	Incubation	Carmen Best
OpenLEADR	Incubation	
OpenSTEF	Incubation	Jonas van den Bogaard
OperatorFabric	Early Adoption	Boris Dolley
PowSyBl	Early Adoption	Anne Tilloy
SEAPATH	Incubation	Benoît Jeanson
Shapeshifter	Incubation	Jonas van den Bogaard
SOGNO	Early Adoption	Antonello Monti

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Summary of last TAC meeting

- Meeting notes and deck at
  https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#
  TechnicalAdvisoryCouncil-MeetingMinutes

Updates from the Board

Agenda

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TAC Business (50 Minutes)

- **FledgePOWER Annual Review**
- **Standards Project and Working Group Lifecycle Proposal**

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Standards Project and Working Group Lifecycle Proposal

Proposals for discussion

- LF Energy Foundation Standards Project Lifecycle
- LF Energy Foundation Working Group Lifecycle

FledgePOWER Annual Review

FledgePower TAC annual review
February 15, 2022

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Agenda

➔ Scope of the project
➔ Cross foundation collaboration
➔ How we meet industrial requirements ?
➔ Roadmap for 2022
➔ Incubation stage requirements review
➔ Open discussion

Scope of the project

FledgePOWER is a **multi-protocol translation gateway for power systems** based on the industrial IoT LF Edge project **Fledge**.

FledgePOWER aims to solve the problem of **multiple protocol translation** by providing the industry with a **flexible**, **lightweight**, **industrial-grade**, open source gateway that embeds Fledge from LF Edge.

Additionally, FledgePOWER provides a toolbox for simulation, data configuration and validation focused on protocol translation and use cases relevant to **power systems**.

Cross foundation collaboration

FledgePOWER is a cross foundation **collaboration** between **LF Edge** and **LF Energy** that ensures strong cooperative governance and technical alignment between the two **communities**.

How we meet industrial requirements ?

➔ Continuous integration using Github actions:
- ◆ Code quality scanning using Sonar cloud
- ◆ Automated Unit testing using GoogleTest framework
- ◆ Automated vulnerabilities / cybersecurity checks using Sonar cloud and LFX Security
- ◆ Functional and performance tests made on iso production platform

Roadmap for 2022
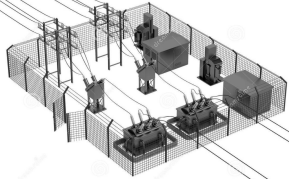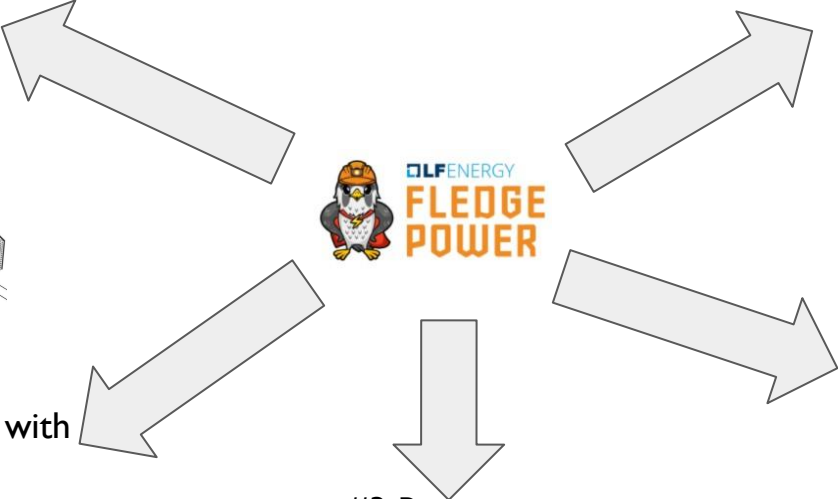
Incubation stage requirements review (1/3)

- Have an open and documented technical governance, including:
    - A LICENSE file in every code repository, with the license chosen an OSI-approved license. [✔]
    - A README file welcoming new community members to the project and explaining why the project is useful and how to get started. [✔]
    - A CONTRIBUTING file explaining to other developers and your community of users how to contribute to the project. The file should explain what types of contributions are needed and how the process works. [✔]
    - A CODEOWNERS or COMMITTERS file to define individuals or teams that are responsible for code in a repository; document current project owners and current and emeritus committers. [✔]
    - A CODE_OF_CONDUCT file that sets the ground rules for participants' behavior associated and helps to facilitate a friendly, welcoming environment. By default projects should leverage the Linux Foundation Code of Conduct unless an alternate Code of Conduct is approved prior. [✔]
    - A RELEASE file that provides documentation on the release methodology, cadence, criteria, etc. [✔]
    - A GOVERNANCE file that documents the project's technical governance. [✔]
    - A SUPPORT file to let users and developers know about ways to get help with your project. [✔]
- Complete and approve the Technical Charter and agree to transfer any relevant trademarks to The Linux Foundation or its affiliate, LF Projects, LLC, and to assist in filing for any relevant unregistered ones. [✔]
- Have achieved and maintained an OpenSSF Best Practices Badge at the 'Passing' level. [X]
- Have had a successful license scan with any critical issues remedied. [X]

Incubation stage requirements review (2/3)

- An overview of the <u>project's architecture and features</u> defined.[✓]
- A <u>project roadmap</u> defined, which should address the following questions.[✓]
    - What use cases are possible now?
        - i. 104 => 104 (monitoring)
        - ii. 104 ⇔ KAFKA (monitoring)
    - What does the next year look like in terms of additional features and use cases covered ?
        - i. 104 ⇔ 104 (monitoring and control)
        - ii. HNZ ⇔ 104 (monitoring and control)
        - iii. 61850 ⇔ 104 (monitoring and control) optional
        - iv. POC integration with SEAPATH
        - v. POC integration with SOGNO
        - vi. POC integration with OPFAB
        - vii. POC integration with COMPAS

Incubation stage requirements review (3/3)

- Community and contributor growth assessment
    - The current number of contributors and committers, and the number of different organizations contributing to the project
        - i. Contributor : RTE, Dianomic, Aveva
        - ii. Committers : RTE (code contribution), Dianomic (code contribution)
    - Demonstrate a sustained flow of commits / merged contributions [✓]
    - A credible plan for developing a thriving user community, in particular expanding the number of committers and contributors?
        - i. First focus is to make the onboarding process easier by flattening the learning curve
    - Outline of the plan for the project to complete the requirements for Adopted Stage
        - i. Having a first successful deployment on a substation in production
        - ii. Having achieved at least 3 out of the 4 integration POCs listed in the roadmap
- Receive the affirmative majority vote of the TAC. [?]

Open discussion

→ ?

Project Review Cycle

Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
~~Full Architecture Working Group (FAWG)~~	~~Working Group~~			~~January 15, 2022~~
~~Data Architecture Working Group (DAWG)~~	~~Working Group~~			~~January 15, 2022~~
~~FledgePOWER~~	~~Incubation~~	~~February 11, 2021~~		~~February 15, 2022~~
SOGNO	**Early Adoption**	**October 27, 2020**	**March 16, 2021**	**March 8, 2022**
Shapeshifter	Incubation	April 6, 2021		March 29, 2022
Grid Capacity Map	Incubation	April 27, 2021		April 19, 2022
OperatorFabric	Early Adoption	April 30, 2019	July 20, 2021	July 12, 2022
CoMPAS	Incubation	May 5, 2020	June 29, 2021	July 12, 2022
PowSyBl	Early Adoption	April 30, 2019	August 31, 2021	August 23, 2022
OpenEEmeter	Incubation	June 4, 2019	October 12, 2021	September 13, 2022
OpenSTEF	Incubation	September 21, 2021		September 13, 2022
GXF	Early Adoption	February 4, 2020	October 12, 2021	October 4, 2022
Green Data Hub	Incubation	October 12, 2021		October 4, 2022
OpenLEADR	Incubation	September 15, 2020	November 23, 2021	October 25, 2022
SEAPATH	Incubation	October 6, 2020	November 23, 2021	October 25, 2022
EVerest	Incubation	October 12, 2021		November 15, 2022
FlexMeasures	Incubation	November 2, 2021		November 15, 2022
Hyphae	Incubation	December 8, 2020	December 14, 2021	December 6, 2022

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<u>Outreach updates (10 Minutes)</u>

<u>Closing and next meeting (5 Minutes)</u>

Outreach Updates

- TFiR videos
  - https://www.tfir.io/?s=lf+energy
- Recent press articles
  - https://www.lfenergy.org/news/media-coverage/
- We want your project news!
  - Doesn't need to be anything huge!
  - Examples of news:
    - New releases (example https://github.com/powsybl/pypowsybl/releases)
    - New features added
    - New maintainers/organizations involved
    - Upcoming plans

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Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 8 March 2022 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time.

Agenda will include:

- Recap of last TAC meeting/Governing Board updates
- SOGNO annual review

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Thank you!