

Technical Advisory Council (TAC) Meeting

25 June 2024

OLFENERGY

Meeting information

- Meeting to begin at 5:00 pm Central European Summer Time
- Join the meeting at the link in your calendar in [LFX Individual Dashboard](#)
- Any problems with connectivity, you can contact John Mertic from the Linux Foundation at +1 234-738-4571
- Previous TAC Meeting notes, deck, and recording, at <https://wiki.lfenergy.org/display/HOME/Technical+Advisory+Council#TechnicalAdvisoryCouncil-MeetingMinutes>

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Agenda

All Times in Central European Time Zone

- 5:00 pm - 5:30 pm - Opening and General Updates
 - TAC member updates and project review date reminders
 - General updates
 - Project Security Focus updates
 - TAC Evolution Plan Update
 - Other Updates
- 5:30 pm - 6:00 pm - CoMPAS Annual Review
- 6:00 pm - 6:15 pm - Marketing/PR/Events updates
- 6:15 pm - 6:30 pm - Closing and Next Meeting

Opening and General Updates

5:00 pm - 5:30 pm

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TAC Voting Members

You can update your
headshot/title at
openprofile.dev.



Antonello Monti
Chair
Professor
RWTH Aachen
University



Anne Tilloy
Project manager
RTE (Reseau de
Transport
dElectricite)



Art Pope
Member of
Technical Staff
Google LLC



Boris DOLLEY
Director of OSPO
and Sustainable IT
Strategy
RTE (Reseau de
Transport
dElectricite)



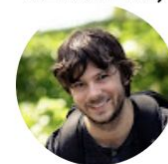
Bryce Bartmann
Chief Digital
Technology Advisor
Shell International
Exploration &
Production, Inc.



**Jonas van den
Bogaard**
Open Source Office
Lead
Alliander



Maarten Mulder
PO Field Device
Platforms
Alliander



Travis Sikes
Senior Data
Scientist
Recurve



Yixing Xu
Microsoft
Corporation

LF Energy Hosted Project Leads

Project	Project Lead(s)
PowSyBI	Anne Tilloy, RTE
OperatorFabric	Frederic DIDIER, RTE
OpenEEmeter	Travis Sikes, Recurve
GXF	Maarten Mulder, Alliander
SOGNO	Antonello Monti, RWTH Aachen University (TAC Representative) & Fito Galeano, RWTH Aachen University
CoMPAS	Pascal Wilbrink Alliander & Sander Jansen, Alliander (TAC Representative)
FledgePOWER	Akli Rahmoun, RTE
Hyphae	Asimena Korompili, RWTH Aachen University
openLEADR	Stan Janssen, OpenADR
SEAPATH	Éloi Bail, Savoir-faire Linux
Grid Capacity Map	Harald Klomp, Vattenfall
Shapeshifter	Robben Riksen, Alliander
OpenSTEF	Frank Kreuwel, Alliander

Project	Project Lead(s)
EVERest	Marco Möller, PIONIX
OpenGEH	Nicolas Bernhardt, Energet
FlexMeasures	Nicolas Höning, Seita Energy Flexibility B.V.
Arras	David Chassin, SLAC
Dynawo	Marco Chiaramello, Benoît Jeanson, RTE
OpenFIDO	David Chassin, SLAC
Power Grid Model	Tony Xiang, Alliander
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann, Shell
TROLIE	Christopher Atkins, MISO Energy
Battery Data Alliance	Gabe Hege, AMPLabs
GRIP (Grid Resilience and Intelligence Platform)	Alyona Teybar, MASc

Project & Working Group Leads

Project	Project Lead(s)
CitrineOS	Thana Paris, S44
covXtreme	Sachin Bhakar, Shell
Synthetic Energy Data	Gus Chadney, Centre for Net Zero
OpenSCD	Sander Jansen, Alliander
NODE Collective	DeAndrea Salvador
InterConnect SIF (Semantic Interoperability Framework)	Milenko Tosic, VizLore Labs
OneNet Framework	

Working Group	Work Group Lead(s)
AI Working Group	Alexandre Pariost, The Linux Foundation
Archimate Working Group	Jonas van den Bogaard, Alliander
DSAS (Digital Substation Automation Systems)	Ben van 't ende
ORES (Open Renewable Energy Systems)	Chris Xie, Futurewei

Project Review Cycle

2024 Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
COMPAS	Incubation	May 5, 2020	July 13, 2022	June 25, 2024
OperatorFabric	Early Adoption	April 30, 2019	July 25, 2023	July 16, 2024
Arras	Sandbox	July 12, 2022	July 25, 2023	July 16, 2024
TROLIE	Incubation	September 5, 2023		September 3, 2024
Battery Data Alliance	Incubation	September 5, 2023		September 3, 2024
GXF	Early Adoption	February 4, 2020	September 26, 2023	September 24, 2024
Grid Capacity Map	Incubation	April 27, 2021	October 17, 2023	October 4, 2024
OpenEEmeter	Incubation	June 4, 2019	October 17, 2023	October 4, 2024

2024 Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
OpenSTEF	Incubation	September 21, 2021	October 25, 2022	November 5, 2024
FlexMeasures	Incubation	November 2, 2021	November 28, 2023	November 19, 2024
PowSyBl	Early Adoption	April 30, 2019	November 28, 2023	November 9, 2024
CitrineOS	Sandbox	November 28, 2023		November 19, 2024
SEAPATH	Early Adoption	October 6, 2020	December 19, 2023	December 10, 2024
covXtreme	Sandbox	December 19, 2023		December 10, 2024

Working Groups				
Group	Current Level	Initially Accepted	Last Review Date	Next Review Date
Archimate Working Group	Active	October 4, 2022	November 28, 2023	October 29, 2024
AI Working Group	Working Group	January 25, 2022		TBD
ORES (Open Renewal Energy Systems)	Working Group	March 12, 2024		March 25, 2025
Digital Substation Automation Systems (DSAS)	Working Group	April 2, 2024		April 15, 2025

Project Review Cycle

2025 Reviews				
Project	Current Level	Initially Accepted	Last Review Date	Next Review Date
Everest	Early Adoption	October 12, 2021	January 9, 2024	January 7, 2025
Synthetic Energy Data	Sandbox	January 9, 2024		January 7, 2025
OpenSynth	Sandbox	January 9, 2024		January 7, 2025
Dynawo	Sandbox	December 6, 2022	January 30, 2024	January 21, 2025
OpenFIDO	Sandbox	January 17, 2023	January 30, 2024	January 21, 2025
RTDIP	Sandbox	October 25, 2022	January 9, 2024	January 28, 2025
OpenSCD	Sandbox	January 25, 2024		January 28, 2025
Hyphae	Incubation	December 8, 2020	February 20, 2024	February 11, 2025
Power Grid Model	Sandbox	February 7, 2023	February 20, 2024	February 11, 2025
SOGNO	Early Adoption	October 27, 2020	March 21, 2023	March 25, 2025
NODE Collective	Sandbox	April 2, 2024		March 25, 2025
InterConnect SIF (Semantic Interoperability Framework)	Sandbox			April 15, 2025
Shapeshifter	Incubation	April 6, 2021	May 14, 2024	May 6, 2025
OneNet Framework	Incubation	May 14, 2024		May 6, 2025
OpenGEH	Sandbox	October 12, 2021	June 4, 2024	May 27, 2025
FledgePOWER	Incubation	February 11, 2021	June 4, 2024	May 27, 2025

Projects in LF Onboarding

- [Scope3E](#)

TAC Evolution Plan update

- All new projects will go through new onboarding process
 - Main change - LF onboarding before presentation to the TAC
- Migrating from wiki.lfenergy.org to tac.lfenergy.org for TAC materials
- Kicking off SIGs
 - EV Charging - first meeting was Monday :-)
 - DSAS - waiting for leadership change to finish
 - Will engage others after the above launch
 - If someone wants to help launch 'Grid Operations', 'Grid Simulation and Modeling', or 'Data Standards and Tooling' - we'd be happy to help!



EV Charging

- CitrineOS
- EVerest

Grid Operations

- OperatorFabric
- Grid eXchange Fabric (GXF)
- SOGNO
- Shapeshifter
- Real Time Data Ingestion Platform (RTDIP)
- FledgePOWER*
- FlexMeasures

Digital Substations

- CoMPAS
- OpenSCD
- SEAPATH
- FledgePOWER*

Inactive

- Hyphae
- OpenGEH
- Open Sustainable Technology
- openLEADR

Grid Simulation and Modeling

- Dynawo
- Power Grid Model
- PowSyBl
- Arras
- OpenSTEF
- Grid Resilience and Intelligence Platform (GRIP)
- covXtreme
- Grid Capacity Map

Data Standards and Tooling

- Carbon Data Specification (CDS) WG1: Customer Data*
- Carbon Data Specification (CDS) WG2: Power Systems Data
- TROLIE
- Battery Data Alliance
- NODE Collective
- Super Advanced Meter (SAM)
- OpenEEMeter
- OpenSynth

** denotes project appearing in multiple categories*

Project Security Focus updates

- Ensure all projects up to date with OpenSSF Best Practices Badge per their maturity level
- Implement OpenSSF Scorecard for all projects to measure security posture.
- Review license scans and remedy open issues
- Security Audits for all 'Early Adoption' stage projects

Early Adoption Projects

Must have a badge at the **silver** level.



openssf best practices silver



openssf best practices silver



openssf best practices passing



openssf best practices silver



openssf best practices silver



openssf best practices in progress 73%

Incubation Projects

Must have a badge at the **passing** level.



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing



openssf best practices passing

Current OpenSSF Best Practices Badge status (3 projects out of compliance)

ACTION: Projects in red boxes need review (source

https://tac.lfenergy.org/projects_with_bestpractices)

VULNERABILITIES

13.1K Unique Open Vulnerabilities
4.3K Unique Fixable Vulnerabilities
3.4K Unique Vulnerabilities Fixed

CODE SECRETS

3,810 CODE SECRET ISSUES

3.67% password in url	0.58% secret in xml
0.24% password in url params	0.05% google oauth
4.78% jwt token	5.17% secret assignment
0.03% sqlite database file	74.85% others

UNIQUE NON-INCLUSIVE LANGUAGE WORDS DETECTED

41 Unique Non-Inclusive Language Words Detected

18
Total Projects

2
Projects Successfully Scanned

11
Projects Partially Scanned

4
Projects Unsuccessfully Scanned

44.8K
Upstream Dependencies

94
Types of licenses found

44
Languages

ACTION: John to review and debug issues.

<h4>DLF ENERGY SOGNO</h4> <p>openstf best practices passing 50%</p> <p>TOTAL VULNERABILITIES 3.5K FOUND 543 FIXABLE 848 FIXED</p> <p>305 CODE SECRETS 295 NON-INCLUSIVE LANGUAGE WORDS</p> <p>35 TOTAL REPS 25 SCANNED REPS 1 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY GXF</h4> <p>Grid Exchange Fabric (GXF)</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 3.2K FOUND 1.2K FIXABLE 0 FIXED</p> <p>16 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>12 TOTAL REPS 4 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPENEEMETER</h4> <p>OpenEEMeter</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 2.7K FOUND 1.4K FIXABLE 1.2K FIXED</p> <p>6 CODE SECRETS 0 NON-INCLUSIVE LANGUAGE WORDS</p> <p>3 TOTAL REPS 3 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY POWSYBL</h4> <p>Pow5yBl</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 2.3K FOUND 1.6K FIXABLE 665 FIXED</p> <p>47 CODE SECRETS 1.2K NON-INCLUSIVE LANGUAGE WORDS</p> <p>47 TOTAL REPS 41 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>
<h4>DLF ENERGY FLEDGEPOWER</h4> <p>FledgePower</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 561 FOUND 4 FIXABLE 116 FIXED</p> <p>15 CODE SECRETS 73 NON-INCLUSIVE LANGUAGE WORDS</p> <p>23 TOTAL REPS 2 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPERATORFABRIC</h4> <p>OperatorFabric</p> <p>openstf best practices in progress 64%</p> <p>TOTAL VULNERABILITIES 378 FOUND 173 FIXABLE 29 FIXED</p> <p>1.2K CODE SECRETS 242 NON-INCLUSIVE LANGUAGE WORDS</p> <p>9 TOTAL REPS 4 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY COMPAS</h4> <p>CoMPAS</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 279 FOUND 187 FIXABLE 478 FIXED</p> <p>56 CODE SECRETS 154 NON-INCLUSIVE LANGUAGE WORDS</p> <p>20 TOTAL REPS 11 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPENSTEF</h4> <p>OpenSTEF</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 97 FOUND 8 FIXABLE 12 FIXED</p> <p>400 CODE SECRETS 9 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL REPS 4 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>
<h4>DLF ENERGY SEAPATH</h4> <p>SEAPATH</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 46 FOUND 1 FIXABLE 17 FIXED</p> <p>40 CODE SECRETS 140 NON-INCLUSIVE LANGUAGE WORDS</p> <p>18 TOTAL REPS 4 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY HYPHAE</h4> <p>Hyphae</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 40 FOUND 40 FIXABLE 5 FIXED</p> <p>162 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>14 TOTAL REPS 12 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY EVEREST</h4> <p>EVerest</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 39 FOUND 11 FIXABLE 0 FIXED</p> <p>28 CODE SECRETS 2 NON-INCLUSIVE LANGUAGE WORDS</p> <p>34 TOTAL REPS 1 SCANNED REPS 16 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY SHAPESHIFTER</h4> <p>Shapeshifter</p> <p>openstf best practices in progress 57%</p> <p>TOTAL VULNERABILITIES 1 FOUND 1 FIXABLE 1 FIXED</p> <p>14 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL REPS 1 SCANNED REPS 2 DISABLED REPS</p> <p>View Dashboard</p>
<h4>DLF ENERGY ARRAS</h4> <p>Arras</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>119 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>12 TOTAL REPS 0 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY FLEXMEASURES</h4> <p>FlexMeasures</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>203 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL REPS 0 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY GRID CAPACITY MAP</h4> <p>Grid Capacity Map</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>3 CODE SECRETS 336 NON-INCLUSIVE LANGUAGE WORDS</p> <p>3 TOTAL REPS 0 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>	<h4>DLF ENERGY OPENLEADR</h4> <p>OpenLEADR</p> <p>openstf best practices passing</p> <p>TOTAL VULNERABILITIES 0 FOUND 0 FIXABLE 0 FIXED</p> <p>35 CODE SECRETS 1 NON-INCLUSIVE LANGUAGE WORDS</p> <p>5 TOTAL REPS 0 SCANNED REPS 0 DISABLED REPS</p> <p>View Dashboard</p>

All current projects accepted before 12/1 had license scans done at the end of December

ACTION: Review latest license scans sent from Jeff Shapiro and address open issues

JS

Jeff Shapiro <jshapiro@linuxfoundation.org>

December 29, 2023, 10:19 PM

LF Energy - SEAPATH License Scan and Findings - Dec 2023

[Details](#)

To: SEAPATH-TSC <SEAPATH-TSC@lists.lfenergy.org> Cc: & 1 more

Hi Team,

Here are the results from the December 2023 license scan of the SEAPATH project. The scan was performed using the Linux Foundation Fossology server. Licenses and copyrights were examined.

The key findings (if any) and license summary can be found in the HTML report, the list of files in the spreadsheet, and also find the SPDX file listed below:

NOTE: I recommend that SPDX license identifiers be added to ALL source file headers. [see <https://spdx.dev/learn/handling-license-info> for examples]

NOTE: There are high priority key findings, please address these as soon as possible:

Finding #1

Priority: High

These files have an Apache-2.0 notice, but they also contain a comment indicating that they contain code from a third-party GPL v2 project.

The GPL v2 license is generally understood as prohibiting GPL v2 code from being incorporated into another work under a different license. The GPL v2 code from the upstream project should likely be removed and rewritten without using that project's code.

4 files

Finding #2

Priority: High

These files indicate that they contain content (or refer to a 3rd party dependency) under a version of the LGPL, typically seen as a weak copyleft license. Although LGPL content can be used in compatible ways with Apache-2.0 projects, its code should not be intermingled with code that needs to remain Apache-2.0, and it imposes some requirements that users of an Apache-2.0 project may not expect. The project may want to remove these files and replace them with permissively-licensed alternatives if that is feasible.

4 files

Finding #3

Priority: High

These recipes appear to contain some patches and code files that are under GPL-2.0, a strong copyleft license which is typically seen as incompatible with Apache-2.0 in many instances.

This may be okay, to the extent that the recipe is patching a GPL-2.0 project. However, for the patches / files that are GPL-2.0, will these be interacting with the project's Apache-2.0 code?

14 files

Finding #4

Priority: High

These files are under a GPL license which may conflict with your project license, especially if they are source code that is integrated with other code. Unless they are 100% separate and stand-alone, they need to be removed from your repo.

12 files

REPORTS:

lfenergy/seapath, code pulled 2023-12-23

- report: <https://liscanning.org/reports/lfenergy/seapath-2023-12-23-1eed5565-a64d-4d91-a21f-645536f1a512.html>

- xlsx: <https://liscanning.org/reports/lfenergy/seapath-2023-12-23-1eed5565-a64d-4d91-a21f-645536f1a512.xlsx>

- spdx: <https://github.com/liscanning/spdx-lfenergy/tree/master/seapath/2023-12/seapath-2023-12-23.spdx>

Please feel free to contact me with any questions about the scan results. Be sure to reply to me directly as I may not get an email sent directly to the distribution list.

Thanks, Jeff

Security Audits through Open Source Technology Improvement Fund.

Priority Focus for 'Early Adoption' projects

In progress:

- SEAPATH - nearing completion
- OperatorFabric - nearing completion
- PowSyBL - holding till Q3
- EVerest - kickoff in Q3

TODO:

- GXF
- SOGNO

Next focus is on Incubation projects.

ACTION: Remaining 'Early Adoption' projects get lined up for scans; identify any 'Incubation' projects next.

OSTIF.org



The Open Source Technology Improvement Fund is a corporate non-profit dedicated to **securing open source apps** that we all depend on. Securing software isn't easy, and we know what it takes to succeed. By facilitating security audits and reviews, OSTIF makes it easy for projects to significantly improve security.

Other updates

- LFX Meeting Management Transition - 14 projects transition, 6 to go ([#39](#))
 - FledgePOWER
 - Grid Capacity Map
 - Grid eXchange Fabric
 - Hyphae
 - OpenEEmeter
 - Archimate WG
- Access to Github Actions large runners ([#146](#))
- Whiteboard Tool for Project Collaboration ([#128](#))
- No maintainer for OpenLEADR ([#24](#))
- Add 'lfeoperations' as owner on PyPi accounts ([#172](#))

CoMPAS Annual Review

5:30 pm - 6:00 pm

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Marketing/PR/Events Updates

6:00 pm - 6:15 pm

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Marketing and PR Updates

- Webinars
 - [Power Grid Model Meetup](#) took place 6 June
 - [CDSC webinar](#) took place 20 June
 - [Substation Automation webinar](#) with Welotec scheduled for 25 July
- Content
 - [RTE/FledgePOWER case study](#) published 17 June
 - [Blog post on open standards for the energy transition](#) published 19 June
 - Open source for vertical industries white paper being published 27 June (this Thursday)
- Events
 - [LF Energy Summit 2024](#) - 5-6 Sept, Marriott Grand Place Brussels
 - Schedule now available
 - Early bird pricing ends 7 July; please use this [marketing kit](#) to spread the word
 - [Sponsorship prospectus](#) available - please consider sponsoring and reach out to Alex with questions or to discuss options
- Use this [form](#) to submit any comms/marketing support requests

Upcoming Event CFPs

North America

- [Climate Week NYC - September 22-29, 2024, New York - Submissions due June 30](#)
- [National Clean Energy Week - September 23-27, 2024, Washington, DC - Rolling submission deadline](#)
- [Accelerate 2050 - November 6-8, 2024, Los Angeles - Rolling submission deadline](#)
- [CIGRE National Conference - GRID OF THE FUTURE - November 11-14, 2024, Raleigh, NC - Paper submission deadline is August 5](#)
- [Linux Foundation Member Summit - November 19-21, 2024, Napa, CA - Submissions due August 30](#)

Europe

- [Enlit Europe - October 22-24, 2024, Milan - Rolling submission deadline](#)
- [Climate Tech Show - November 27-28, 2024, London - Rolling submission deadline](#)

APAC

- [Open Source Summit Japan - October 28-29, Tokyo - Submissions due July 7](#)

Ambassador Application For TAC Approval

Sachin Bhakar, Open Source Advisor, Shell

Bio:

Sachin is responsible to design the Open Source & AI strategy for the CSDI at Shell. He dons two hats as he has a degree in law & engineering, he has previously held positions such as Open Source counsel, Lead Evangelist & IP Analyst with HPE, HERE Technologies & Honeywell respectively. On a personal front, Sachin is outdoorsy & loves participating in marathons!

Projects/Topics:

- Real Time Data Ingestion Platform (RTDIP)
- 2 new projects(covXtreme & pyELQ) that are Open Sourced by Shell.
- Open Standards in Energy domain
- Open Source compliance

Why do you want to be an Ambassador?:

I'm passionate about adoption of Open Source solutions, as part of my job role I'm constantly engaged with promoting solution that can make an impact in energy domain. Being an Ambassador will help me to perform similar task with more support from LFE, it would also provide me new platform & channels to reach out to the audience.

Closing and Next Meeting

6:15 pm - 6:30 pm

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Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 16 July 2024 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time. Agenda will include:

- General Updates
- Arras Annual Review
- OperatorFabric Annual Review
- Marketing/PR/Events update

To add agenda items, go to <https://github.com/lf-energy/tac/issues/new/choose>.

You can review the TAC Agenda at <https://github.com/orgs/lf-energy/projects/2/views/1>

APPENDIX

Marketing and PR Updates



Governing Board CONFIDENTIAL

Recent Media Coverage

- [TFIR - Hydro-Québec joins LF Energy](#)
- [TFIR - Code quality and security are crucial for open source projects | Nico Rikken, Alliander](#)
- [TFIR - Open source foundations to accelerate the energy transition | Alex Thornton – LF Energy](#)
- [TFIR - LF Energy's SEAPATH project aims to drive the next generation of energy management](#)
- [TFIR - What are the unique challenges in the energy sector?](#)
- [EnergyCentral - How French Transmission System Operator, RTE, Leverages Open Source to Build Next-Gen Substation Monitoring and Controls](#)
- [TFIR - LF Energy's role to accelerate decarbonization in the energy sector](#)
- [EC&M - Open-Source Platform EVerest to Advance Electric Vehicle Charging Interoperability](#)



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