# Technical Advisory Council (TAC) Meeting

11 November 2025

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# Meeting information

➔ Meeting to begin at 5:00 pm Central European 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://tac.lfenergy.org/meetings/

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# Antitrust Policy Notice

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# Agenda

All Times in Central European Time Zone

- 5:00 pm - 5:10 pm - Opening and General Updates
  - TAC member updates and annual review date reminders
  - SIG updates and meeting schedule
  - Project Pipeline
  - TAC Priorities 2025 [#436](#)
  - TAC Priorities 2026 Preview
  - Project Lifecycle Review  [#650](#)
- 5:10 pm - 5:30 pm - New Project/Working Group Proposal: Project Origin [#576](#)
- 5:50 pm - 6:10 pm - Annual Review: AI SIG [#53](#)
- 6:10 pm - 6:30 pm - Annual Review: *SC Decarbonisation Hub* [#171](#)
- 6:30 pm - 6:30 pm - Closing and Next Meeting

Marketing/PR/Events updates in APPENDIX

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# Opening and General Updates

5:00 pm - 5:10 pm

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# Technical Advisory Council (TAC)
## voting representatives

**Antonello Monti**

Chair

Professor

RWTH Aachen University

**Art Pope**

Member of Technical Staff

Google LLC

**Boris DOLLEY**

Director of OSPO and Sustainable IT Strategy

RTE (Reseau de Transport dElectricite)

**Frédéric Didier**

Lead tech

RTE (Reseau de Transport dElectricite)

**Jonas van den Bogaard**

Vice Chair

Open Source Office Lead

Alliander

**Maarten Mulder**

PO IoT Field Device Platforms

Alliander

**Moïse K. Kameni**

Entreprise Architect and Head of Open Source Program Office

Hydro-Québec

**Peter Mitri**

Individual - No Account

**Sachin Bhakar**

Strategy Advisor - Computational Science & Digital Innovation

Shell Energy Retail Limited

**Travis Sikes**

Data Science Manager

Recurve

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# Projects

LF ENERGY ARRAS

Battery Data Alliance

LF ENERGY CitrineOS

LF ENERGY CoMPAS

LF ENERGY CDS Customer Data

LF ENERGY CDS Power Systems Data

LF ENERGY CDS Registration

LF ENERGY covXtreme

LF ENERGY Dynawo

LF ENERGY EVerest

LF ENERGY FIDO Power

LF ENERGY FLEDGE POWER

LF ENERGY FlexMeasures

LF ENERGY GEISA

LF ENERGY GXF

LF ENERGY GRID VANTAGE

LF ENERGY grid2op

LF ENERGY GridFM

LF ENERGY Hyphae

NODE COLLECTIVE

LF ENERGY OPENDSM

LF ENERGY openLEADR

LF ENERGY OpenSTEF

LF ENERGY OpenSynth

LF ENERGY OPERATORFABRIC

LF ENERGY ORES

LF ENERGY POWER GRID MODEL

LF ENERGY RTDIP

LF ENERGY SCDH

LF ENERGY SEAPATH

LF ENERGY SHAPESHIFTER

LF ENERGY SOGNO

LF ENERGY TROLIE

# TAC Meeting Schedule 2025

The TAC meetings are monthly, on the second Tuesday of the month at 8:00am US Pacific Time/11:00am US Eastern Time unless otherwise noted.

- ~~February 11~~
- ~~March 11~~
- ~~April 8~~
- ~~May 13~~
- ~~June 10~~
- ~~July 8~~
- ~~*September 2 ( one week earlier )*~~
- ~~*September 9 ( joint meeting with GB 4:00pm CET at LF Energy Summit )*~~
- ~~October 14~~
- **November 11**
- December 9

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# TAC Meeting Schedule 2026

The TAC meetings are monthly, on the second Tuesday of the month at 8:00am US Pacific Time/11:00am US Eastern Time unless otherwise noted.

- January 13
- February 10
- March 10
- April 14
- May 12
- June 9
- July 14
- August 11
- September 8
- October 13
- November 10
- December 8

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# Project and Working Group Leads

| Name | Chair |
|---|---|
| Arras | David Chassin |
| Battery Data Alliance | Gabe Hege |
| CitrineOS | Thana Paris |
| CoMPAS | Sander Jansen |
| Connected Data Specification - Customer Data Working Group (CDS WG3) | Daniel Roesler |
| Connected Data Specification - Power Systems Data Working Group (CDS WG2) | Stephen Suffian |
| Connected Data Specification - Registration Working Group (CDS WG1) | Daniel Roesler |
| covXtreme | Sachin Bhakar |
| CUPID (Controllable Unit Protocol Interface for DER) | |
| Dynawo | Marco Chiaramello |
| EVerest | Marco Möller |
| FIDOPower | David Chassin |
| FledgePower | Romain Lebrun Thauront |
| FlexMeasures | Nicolas Höning |
| Grid Edge Interoperability & Security Alliance (GEISA) | Michael Stuber |
| Grid eXchange Fabric (GXF) | Maarten Mulder |

| | |
|---|---|
| Grid Vantage | Alyona Teyber |
| Grid2Op | Benjamin Donnot |
| GridFM | François Mirallès |
| Hyphae | Arila Barnes |
| LF Energy Semantic Energy Framework (LFE-SEF) | Barry Nouwt |
| NODE Collective | Deandrea Salvador |
| OpenDSM | Travis Sikes |
| OpenLEADR | Arila Barnes, Stan Janssen, Hugo Van De Pol |
| OpenSTEF | Daan Van Es |
| OpenSynth | Gus Chadney |
| OperatorFabric | Frédéric Didier |
| ORES (Open Renewal Energy Systems) | Chris Xie |
| Power Grid Model | Peter Salemink |
| PowSyBL | Peter Mitri |
| Real Time Data Ingestion Platform (RTDIP) | Chloe Ching |
| RTC-Tools | |
| SC Decarbonisation Hub | Sachin Bhakar |
| SEAPATH | Eloi Bail |
| Shapeshifter | Robben Riksen |
| SOGNO | Antonello Monti |
| TROLIE | Christopher Atkins |

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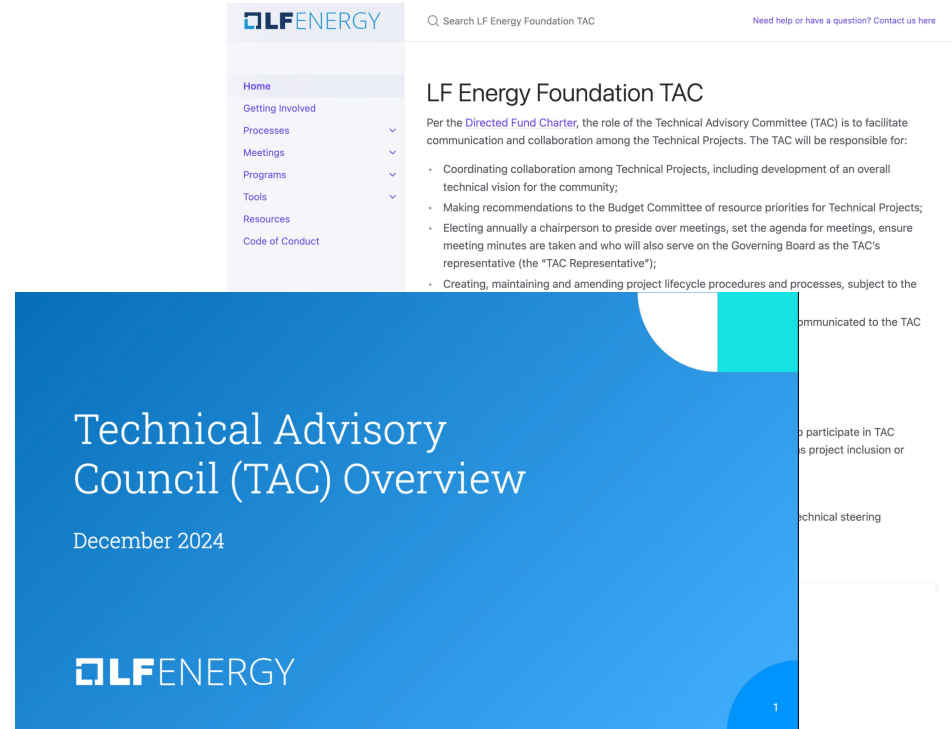
# SIGs and SIG Leaders

| Name | Chair |
|---|---|
| AI SIG | Alexandre Parisot |
| Digital Substations SIG | Jos Zenner, Maxime Pelletier |
| EV Charging SIG | Robert De Leeuw, Thana Paris |
| Grid Simulation and Modeling SIG | Thomas Van Dijk |
| **OSPO SIG** | **Moïse Kameni** |

# TAC Resources

- TAC Website - https://tac.lfenergy.org
  - Contains all the TAC policies and meeting materials, as well as guides to using the various LF Energy tools

- TAC Overview - https://github.com/lf-energy/foundation/blob/main/overview_deck/LF%20Energy%20TAC%20Overview.pdf
  - Guide for TAC members on their role and how to navigate LF Energy
- Project Resource Request form - https://tac.lfenergy.org/tools/resource_request.html.

Questions/feedback - let us know!



**Technical Advisory Council (TAC) Overview**

December 2024

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# Annual Review Schedule - TAC

*Source: https://tac.lfenergy.org/process/review_cycle.html*

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| Name | Last Review Date | Next Review Date |
|---|---|---|
| AI SIG | 10/29/2024 | 11/11/2025 |
| SC Decarbonisation Hub | | 11/11/2025 |
| Connected Data Specification - Customer Data Working Group (CDS WG3) | | 12/9/2025 |
| Connected Data Specification - Power Systems Data Working Group (CDS WG2) | | 12/9/2025 |
| Connected Data Specification - Registration Working Group (CDS WG1) | | 12/9/2025 |
| Digital Substations SIG | | 12/9/2025 |
| NODE Collective | 4/2/2024 | 12/9/2025 |
| TROLIE | 9/6/2023 | 12/9/2025 |
| EV Charging SIG | | 1/13/2026 |
| Grid Simulation and Modeling SIG | | 1/13/2026 |
| LF Energy Semantic Energy Framework (LFE-SEF) | 4/23/2024 | 3/10/2026 |
| OpenSynth | 3/11/2025 | 3/10/2026 |
| Grid2Op | 2/11/2025 | 4/14/2026 |
| Shapeshifter | 4/8/2025 | 4/14/2026 |
| OpenDSM | 5/13/2025 | 5/12/2026 |
| SOGNO | 5/13/2025 | 5/12/2026 |
| Grid eXchange Fabric (GXF) | 7/8/2025 | 7/14/2026 |
| Real Time Data Ingestion Platform (RTDIP) | 7/8/2025 | 7/14/2026 |
| Battery Data Alliance | 9/2/2025 | 9/8/2026 |
| OperatorFabric | 9/2/2025 | 9/8/2026 |
| Grid Edge Interoperability & Security Alliance (GEISA) | 10/14/2025 | 10/13/2026 |

# Annual Review Schedule - SIG

SIG Leaders - please share how recent reviews have went, and let us know if the schedule/alignment is still correct - contact email support@lfenergy.org

*Source:*
*https://tac.lfenergy.org/process/review_cycle.html*

| Name | Last Review Date | Next Review Date | SIG |
|---|---|---|---|
| Grid Vantage | 9/26/2023 | 6/4/2025 | Grid Simulation and Modeling |
| CitrineOS | 11/27/2024 | 11/26/2025 | EV Charging |
| PowSyBL | 12/4/2024 | 12/3/2025 | Grid Simulation and Modeling |
| FlexMeasures | 11/20/2024 | 12/17/2025 | EV Charging |
| SEAPATH | 1/14/2025 | 1/13/2026 | Digital Substations |
| EVerest | 1/22/2025 | 1/28/2026 | EV Charging |
| OpenSTEF | 2/5/2025 | 2/4/2026 | Grid Simulation and Modeling |
| Power Grid Model | 2/5/2025 | 2/4/2026 | Grid Simulation and Modeling |
| Hyphae | 2/11/2025 | 2/10/2026 | EV Charging |
| covXtreme | 4/2/2025 | 4/1/2026 | Grid Simulation and Modeling |
| Dynaωo | 10/1/2025 | 4/1/2026 | Grid Simulation and Modeling |
| ORES (Open Renewal Energy Systems) | 4/8/2025 | 4/14/2026 | EV Charging |

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# SIG Meeting Schedule for November

All SIG meetings can be found on the LF Energy calendar ([calendar.lfenergy.org](calendar.lfenergy.org)) as well as the SIG Calendar ([sigcalendar.lfenergy.org](sigcalendar.lfenergy.org) )

Days/times listed are US Eastern Time

➔ **SIG Leaders - share any updates for your SIGs**

| iCal | Today | ❮ | **November 2025** | ❯ | Day | 4 Days | Week | Month | List |

| **Wednesday 19** |
| 11:00am - 12:00pm | ● | LF Energy AI Special Interest Group (SIG) meeting |

| **Wednesday 26** |
| 9:00am - 10:00am | ● | EV Charging SIG Monthly Meeting |

| **Thursday 27** |
| 11:00am - 12:00pm | ● | grid connection planning |

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# Project Pipeline

https://github.com/orgs/lf-energy/projects/2/views/5

- CityLearn is an open source Farama Foundation Gymnasium environment for the implementation of advanced controllers for demand side building energy coordination and demand response in cities. It's focus is on residential buildings with the goal to shape the aggregated load profile using local and coordinated DERs. Submitted April 23, 2025; currently in LF Onboarding
- Global Granular Certificate Registry is a vendor-neutral, open-source, cloud-native ledger that issues, tracks, and retires Granular Certificates (GCs). Submitted June 11, 2025; currently in LF Onboarding.
- PowerCore will provide a vendor-agnostic, hardware-generic industrial informatics API for power-electronics systems, enabling portable, maintainable control firmware across diverse microcontroller SoCs. Submitted July 28, 2025; currently in LF Onboarding.
- Smart HEMS Benchmark will provide an open, standardized, and comprehensive benchmarking framework for residential Distributed Energy Resource (DER) systems, promoting widespread adoption of home and community energy management solutions through transparent performance evaluation and comparison, and advancing innovation and development in the sustainable energy industry. Submitted November 5, 2025 and currently in LF Onboarding.
- AINETUS, open source artifacts from AI4REALNET, aims to develop AI-based solutions addressing critical systems (electricity, railway, and air traffic management), but electrical power grids in particular, modelled by networks that can be simulated, and are traditionally operated by humans, and where AI systems complement and augment human abilities. Currently in LF Onboarding and preparing project proposal.

In discussion with FledgePower
- Fledge is a leading open source industrial edge platform for industrial data pipelines, intelligent edge applications and ML. Currently an LF Edge Foundation project, in discussions to move into LF Energy

To be presented at today's TAC meeting ( 11/11 )
- Project-Origin is an open-source initiative to create a federated, decentralized infrastructure for issuing, transferring, and verifying granular, time-based energy certificates. Submitted July 8, 2025; to present at November 11, 2025 TAC meeting..

Recently accepted by LFESS Steering Committee
- Utility Rate Plan Exchange (URPX) aims to develop a comprehensive, standardized method for representing and exchanging utility rate plan data in machine-accessible format. Submitted August 3, 2025; currently in LF Onboarding and scheduled for LFESS review on Oct 9.

Older projects in LF Onboarding
- OneNet Framework - awaiting approval of governance documents
- pyELQ: python Emission Localization and Quantification - working on name rights issues

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# TAC Priorities as aligned to with TAC

**DONE**

- ✓ Move to monthly TAC meetings instead of every 3 weeks
- ✓ Start office hours for SIG leaders to share best practices ( working on date/time reschedule )
- ✓ Spin down Data Standards and Tooling and Grid Operations SIGs
- ✓ Move affected project annual reviews to the TAC
- ✓ Security Audits - TAC align on two projects to prioritize ( EVerest, PowSyBL )
- ✓ Project workshops with LF Energy Summit (tentatively Sep 10-11 in Aachen, Germany)
- ✓ Revisit TAC Leadership structure
- ✓ Project landscape https://landscape.lfenergy.org/ - Update this to reflect the latest projects and how we want to message the ecosystem
- ✓ Include LFESS Working Groups in TAC annual review process.
- ✓ Process for projects to request resources/funding for cloud infrastructure ( https://github.com/lf-energy/tac/issues/477 )
- ✓ Improve SIG support and interface to the TAC ( https://github.com/lf-energy/tac/issues/544 )

**CURRENT FOCUSES**

- ● Documentation audit/support ( https://github.com/lf-energy/tac/issues/546 )
- ● Security Audits - TAC to prioritize next project(s) to focus on ( Determine prioritization for Security Audits #408 )
- ● Project Lifecycle - Review and make adjustments to align with current project needs ( last changes made in 2021 )

**NEXT FOCUSES**

- ● Assemble and execute on a plan to inject fresh energy and increase engagement with the TAC

**Plan for January - 2026 TAC Priorities**

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# Items for TAC review

- Documentation audit/support ([#546](#))
    - Added doc for TAC and projects to review.
- Project Lifecycle review/refresh ([#650](#))
    - Add your feedback to the issue above.
- Determine prioritization for Security Audits ([#408](#))
    - TAC aligned during October meeting on pursuing "lighter-weight security threat model reviews"
    - Ask from TSC project leads - which projects are interested ( likely accept up to 5 )

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# Project License Scans sent to projects

Each project should have received an email from Jeff Shapiro, sent to your TSC private list. The scan contains both a license summary for the project, as well as a dependency scan and a SBOM.

**ACTIONS:**
- **Review scan results**
- **Address any key findings**
- **Let Jeff Shapiro know if you have any questions/concerns**

# New Project/Working Group Proposal: Project Origin #576

5:10 pm - 5:30 pm

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# Annual Review: AI SIG #53

5:50 pm - 6:10 pm

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# Closing and Next Meeting

6:30 pm - 6:30 pm

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# Next TAC Meeting

The following meeting of the LF Energy TAC is scheduled for December 9, 2025 at 4:00 pm Central European Time
Agenda tentatively to include:

- General Updates
- Annual Review: GridFM [#260](#)
- Annual Review: NODE Collective [#108](#)
- Annual Review: AI SIG [#53](#)
- 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

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# APPENDIX

Marketing/PR/Events Updates

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# Marketing and PR Updates

- Webinars
  - [SEAPATH webinar](#) scheduled for 13 November
  - [CoMPAS webinar](#) scheduled for 3 December
- News
  - [LF Energy Summit North America 2025: A Day of Connection, Innovation, and Open Collaboration](#)
  - [CoMPAS 0.25.0 Released – Updated Deployment with Enhanced Open SCD Integration](#)
  - [Digital Substation Pt.2 – Insights](#)
- Content
  - PowSyBl case study with LF Europe now live
  - Summaries of select LF Energy Summit Europe sessions are being posted
  - Videos from LF Energy Summit NA will be live soon
  - Developing piece on "The LF Energy Story" - thanks to all who submitted
- Website
  - Content updates to project pages complete; awaiting new page template from web team
- [Event tracker](#) - please review and add any additional opportunities
- Use this [form](#) to submit any comms/marketing support requests
- See [media coverage spreadsheet](#) or [website](#) for recent articles

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# 2025 LFE-hosted Events

- OSPOlogy Live France
  - Nov 5-6 - Lyon, France
  - Hosted by RTE
  - This is actually organized by the TODO Group in partnership with LF Energy.
  - Goal: educate utilities and other energy stakeholders on open source best practices
  - Registration is open - 36 registered as of 21 Oct (max capacity of 50)
- LF Energy Summit Europe 2026
  - Targeting week of September 13, 2026
  - Expect to have a venue finalized in the next few weeks

# Third-Party Events

- Enlit Europe
  - Nov 18-20 - Bilbao, Spain
  - Open source panel co-organized by LF Energy to take place Nov 18
  - LF Energy happy hour to take place Nov 19
  - Coordinating with all members who will be onsite to provide collateral materials
- FOSDEM
  - Jan 31-Feb 1 - Brussels, Belgium
  - Energy devroom accepted for all day Saturday
  - LF Europe is organizing a happy hour
- DISTRIBUTECH
  - Feb 2-5 - San Diego, CA, USA
  - LF Energy to host a booth, sponsored by Aetheros, focused on GEISA
  - Will include spaces for Savoir-faire Linux and Southern California Edison
  - We will likely host a happy hour as well

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