

Technical Advisory Council (TAC) Meeting

11 March 2025

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Meeting information

- Meeting to begin at 4:00 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://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 - 5:15pm - Opening and General Updates
 - TAC member updates and project review date reminders
 - Project Pipeline
 - Previously TAC approved projects stalled in LF onboarding (<https://github.com/lf-energy/tac/issues/390>)
- 5:15 pm - 5:35 pm - TAC Priorities 2025 review (<https://github.com/lf-energy/tac/issues/436>)
- 5:35 pm - 5:55 pm - OpenSynth Annual Review (<https://github.com/lf-energy/tac/issues/68>)
- 5:55 pm - 6:15 pm - Grid Capacity Map Annual Review (<https://github.com/lf-energy/tac/issues/6>)
- 6:15 pm - 6:25 pm - Marketing/PR/Events updates
- 6:25 pm - 6:30 pm - Closing and Next Meeting

Opening and General Updates

5:00 pm - 5:15 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)



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



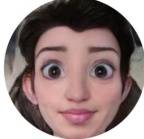
Clément Bouvier
Software engineer
RTE (Reseau de
Transport
dElectricite)



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



Maarten Mulder
PO IoT Field Device
Platforms
Alliander



Sophie Frasnedo
Software developer
RTE (Reseau de
Transport
dElectricite)



Travis Sikes
Data Science
Manager
Recurve



Yixing Xu
Senior Program
Manager, Energy
Strategy
Microsoft
Corporation

Projects

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SIG - Digital Substations (3)



SIG - EV Charging (2)



SIG - Grid Operations (8)



SIG - Grid Simulation and Modeling (8)



SIG - Data Standards and Tooling (6)



Project and Working Group Leads

Name	Chair
Arras	David Chassin
Battery Data Alliance	Gabe Hege
CDSC Connectivity WG (WG3)	
CDSC Customer Data WG (WG1)	
CDSC Power System Data WG (WG2)	
CitrineOS	Thana Paris
CoMPAS	Sander Jansen
covXtreme	Sachin Bhakar
Dynawo	Marco Chiaramello
EVerest	Marco Möller
FledgePower	Akli Rahmoun
FlexMeasures	Nicolas Höning
Grid Capacity Map	Harald Klomp
Grid Edge Interoperability & Security Alliance (GEISA)	Michael Stuber, Richard Lam
Grid eXchange Fabric (GXF)	Maarten Mulder

GridFM	François Mirallès
Hyphae	Arla Barnes
NODE Collective	Deandrea Salvador
OpenDSM	Travis Sikes
	Arla Barnes, Hugo Van De Pol, Stan Janssen
OpenLEADR	
OpenSTEF	Daan Van Es
OpenSynth	Gus Chadney
OperatorFabric	Frédéric Didier
Power Grid Model	Tony Xiang
PowSyBl	Sophie Frasnado
Real Time Data Ingestion Platform (RTDIP)	Bryce Bartmann
SAM WG Architecture	
SAM WG Use Cases	
SC Decarbonisation Hub	Sachin Bhakar
SEAPATH	Eloi Bail
Shapeshifter	Robben Riksen
SOGNO	Antonello Monti
TROLIE	Christopher Atkins

SIGs and SIG Leaders

Name	Chair
AI SIG	Alexandre Parisot
Data Standards and Tooling SIG	
Digital Substations SIG	Jos Zenner, Maxime Pelletier
EV Charging SIG	Robert Leeuw, Thana Paris
Grid Operations SIG	
Grid Simulation and Modeling SIG	Joshua Main, Thomas Van Dijk

Annual Review Schedule - TAC

Source:

<https://github.com/orgs/lf-energy/projects/2/views/2?sliceBy%5Bvalue%5D=2-annual-review-tac>



Title	Scheduled Date	Last Review Date
Grid Capacity Map #6	Mar 11, 2025	Oct 17, 2023
OpenSynth #68	Mar 11, 2025	Jan 9, 2024
Open Renewable Energy System (ORES) Working Group #107	Apr 8, 2025	Mar 12, 2024
Shapeshifter #136	Apr 8, 2025	May 14, 2024
OperatorFabric #71	Apr 8, 2025	Jul 16, 2024
InterConnect SIF (Semantic Interoperability Framework) #132	Apr 15, 2025	Apr 23, 2024
OneNet Framework #112	May 6, 2025	May 14, 2024
SOGNO #75	May 13, 2025	Apr 23, 2024
Battery Data Alliance #57	May 13, 2025	Aug 27, 2024
Grid eXchange Fabric (GXF) #8	Jun 10, 2025	Sep 18, 2024
SC Decarbonisation Hub #171	Jun 10, 2025	
OpenDSM #7	Jul 8, 2025	Sep 17, 2024
NODE Collective #108	Jul 8, 2025	Apr 2, 2024
Real Time Data Ingestion Platform (RTDIP) #26	Jul 8, 2025	Jan 30, 2024
OpenLEADR #24	Jul 8, 2025	Nov 23, 2021
GridFM #260	Oct 14, 2025	Oct 29, 2024
Archimate WG #93	Oct 14, 2025	Oct 29, 2024
Grid Edge Interoperability & Security Alliance (GEISA) #230	Oct 14, 2025	
FlexMeasures #27	Nov 11, 2025	Nov 20, 2024
AI SIG #53	Nov 11, 2025	Oct 29, 2024
Digital Substations SIG #89	Dec 9, 2025	
TROLIE #79	Dec 9, 2025	
Grid2Op #287	Feb 10, 2026	Feb 11, 2025
Hyphae #74	Feb 10, 2026	Feb 11, 2025

Annual Review Schedule - SIG

SIG Leaders - please share how recent reviews have went, and let us know if the schedule/alignment is still correct

Source:

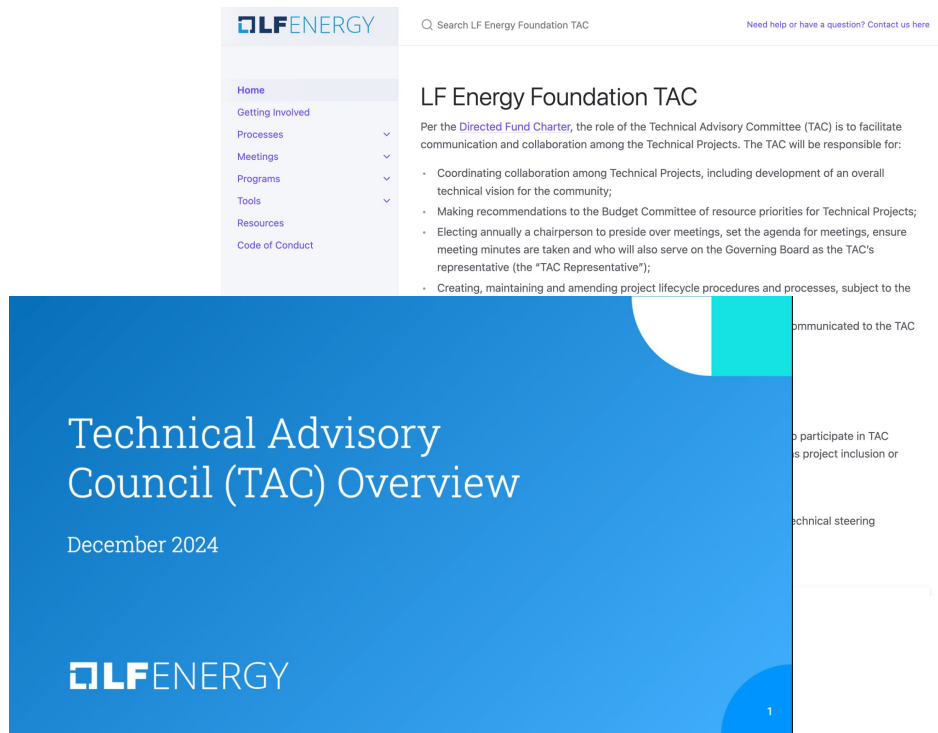
<https://github.com/orgs/lf-energy/projects/2/views/2?sliceBy%5Bvalue%5D=2-annual-review-sig>

Title	Scheduled Date	Last Review Date	SIG
covXtreme #66	Dec 4, 2024		Grid Simulation and Mo...
SEAPATH #73	Jan 14, 2025	Dec 19, 2023	Digital Substations
OpenFIDO #82	Jan 21, 2025	Jan 30, 2024	Grid Simulation and Mo...
EVerest #28	Jan 22, 2025	Jan 9, 2024	EV Charging
FledgePower #137	May 13, 2025	Jun 4, 2024	Digital Substations
CoMPAS #72	Jun 10, 2025	Jun 25, 2024	Digital Substations
Dynawo #29	Jun 25, 2025	Jan 30, 2024	Grid Simulation and Mo...
Arras #104	Sep 3, 2025	Jul 16, 2024	Grid Simulation and Mo...
CitrineOS #59	Nov 26, 2025	Nov 27, 2024	EV Charging
PowSyBI #22	Dec 3, 2025	Dec 4, 2024	Grid Simulation and Mo...
Power Grid Model #81	Feb 4, 2026	Feb 5, 2025	Grid Simulation and Mo...
OpenSTEF #25	Feb 4, 2026	Feb 5, 2025	Grid Simulation and Mo...
Grid Resilience and Intelligence Platform (GRIP) #52			Grid Simulation and Mo...

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

Questions/feedback - let us know!



The image shows a screenshot of the LF Energy Foundation TAC website and a presentation slide. The website header includes the LF ENERGY logo, a search bar, and a link for help. A navigation menu lists Home, Getting Involved, Processes, Meetings, Programs, Tools, Resources, and Code of Conduct. The main content area is titled "LF Energy Foundation TAC" and describes the role of the Technical Advisory Committee (TAC) as defined in the Directed Fund Charter. The presentation slide, titled "Technical Advisory Council (TAC) Overview" and dated December 2024, features the LF ENERGY logo and a page number of 1.

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Search LF Energy Foundation TAC

Need help or have a question? Contact us here

LF Energy Foundation TAC

Per the [Directed Fund Charter](#), the role of the Technical Advisory Committee (TAC) is to facilitate communication and collaboration among the Technical Projects. The TAC will be responsible for:

- Coordinating collaboration among Technical Projects, including development of an overall technical vision for the community;
- Making recommendations to the Budget Committee of resource priorities for Technical Projects;
- Electing annually a chairperson to preside over meetings, set the agenda for meetings, ensure meeting minutes are taken and who will also serve on the Governing Board as the TAC's representative (the "TAC Representative");
- Creating, maintaining and amending project lifecycle procedures and processes, subject to the

Technical Advisory Council (TAC) Overview

December 2024

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Project Pipeline

- [CUPID \(Controllable Unit Protocol Interface for DER\)](#) a continuation of EU research project [InterSTORE](#), builds on and extends a reference implementation of IEEE 2030.5 for DER communication interoperability. Will be hosted out of LF Europe, will bring to TAC in Q2.
- [RTC-Tools](#) is a mature, leading open-source solution for the operational optimization of water and energy systems. Contributed by Deltares and Shell. Working through licensing issues, and aim to have TAC review in 1H.

Previously TAC approved projects stalled in LF onboarding

<https://github.com/lf-energy/tac/issues/390>

- Interconnect SIF - meeting held March 10th to review governance questions
- Onenet Framework - second follow-up; Anto helping with moving things forward.

Made proposed adjustment to lifecycle to address project's stalling out in LF Onboarding (<https://github.com/lf-energy/tac/pull/439>)

DISCUSSION: TAC review of proposal

TAC Priorities 2025 review

5:15 pm - 5:35 pm

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TAC Priorities as aligned to with TAC

Strikethrough items are DONE

- ~~● Move to monthly TAC meetings instead of every 3 weeks~~
- ~~● Start office hours for SIG leaders to share best practices~~
- ~~● 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)~~
- 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)
- 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 - Won't be voted on; goal is to drive awareness and aid in cross collaboration.
- Project workshops with LF Energy Summit (tentatively Sep 10-11 in Aachen, Germany) - Consider if your project / SIG would like to leverage LFE Summit for an in-person meeting
- Assemble and execute on a plan to inject fresh energy and increase engagement with the TAC
- Documentation audit/support
- ~~● Revisit TAC Leadership structure~~

OpenSynth Annual Review

5:35 pm - 5:55 pm

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Grid Capacity Map Annual Review

5:55 pm - 6:15 pm

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Marketing/PR/Events Updates

6:15 pm - 6:25 pm

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Marketing and PR Updates

- Webinars
 - [GEISA webinar](#) had 130 registrations and 87 attendees; extremely well received
 - Seeking more project webinars as schedule is currently open
- New Project Launches
 - [NODE Collective](#) - webpage now live
 - FIDOPower (formerly OpenFIDO) - name change approved; logo in review
- Case Studies
 - [RTE/SEAPATH case study](#) published last week
- 2024 Annual Report
 - In final design stage; should publish next week
- Website
 - Restructuring mostly complete
 - New homepage live
 - All SIGs now have their own webpage
 - Project page revamps are next; web team is creating a new template so this is likely to be delayed ~1 month
- [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

Website Revamp

Highlighted Media



FEB 12, 2025

LF Energy Summit Europe and North America Dates and Locations Announced



FEB 6, 2025

Linux Foundation Energy Releases Version 1.0 of SEAPATH, the Open Source Software Hypervisor for Digitalizing Electrical Power Substation Systems



JAN 31, 2025

Unlocking AI's potential for the energy transition through open source



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Collaboration for the digital energy transition

LF Energy is the independent home for shared development of open industrial-grade technology platforms, data sets, and agile standards to solve common challenges and drive innovation.



Why LF Energy

LF Energy provides a community to build shared digital investments that transform the energy sector.

LEARN MORE



Get Started

Get acquainted with the community and projects, and how you can get involved.

GET STARTED



Attend Our Events

Attend virtual and in-person events to level up your knowledge and network with partners.

EXPLORE EVENTS

Projects

LF Energy projects are helping transform the world's power systems rapidly to electrification. LF Energy provides a neutral development environment that accelerates the pace of innovation and targets investments in a coordinated and efficient manner.

EXPLORE PROJECTS

Featured Projects



The **Carbon Data Specification (CDS)** is a data dictionary for raw data and a standard for data requirements that enable energy data access for measuring, quantifying, and tracking carbon emissions from energy production and consumption.

Explore Project



The **Everest** project speeds up the emerging change to e-mobility by utilizing open source advantages for the EV charging world. Everest ensures interoperability and reliability of EV chargers.

Explore Project



Hosted Events Updates

- [GEISA Meetup at DISTRIBUTECH](#)
 - March 26 - Dallas, TX
 - Goal: introduce GEISA to a utility and vendor audience at DISTRIBUTECH
 - **Registration now open for this 3 hour session**
- Open EV Charging Workshop at CharIN festival
 - May 15, 2025 – Detroit, USA
 - Goal: leverage existing industry event to increase awareness in LF Energy EV charging projects, attracting new adopters and contributors
 - **Finalizing agenda with CharIN this Thursday; website to launch soon**
- [Power Grid Model Meetup](#)
 - May 21 - Delft, Netherlands
 - Goal: annual in-person and virtual meeting to bring the community together and introduce it to new users/contributors
 - **Registration now open**
- [LF Energy Summit Europe](#)
 - Sep 10-11, 2025 – Aachen, Germany
 - Goal: the main event to share and collaborate for the LF Energy community, strengthening existing relationships and bringing new collaborators into the community
 - **Sponsorships already outpacing 2024**
 - **CFP and registration to open on April 9**
 - **Projects that wish to have meetups onsite need to submit our [request form](#) by March 28**
- [LF Energy Summit North America](#)
 - Oct 3, 2025 – Montréal, Québec
 - Goal: at the end of CIGRE, provide a forum for North American LFE community members to convene in person. Also, attract new collaborators to the community.
 - **Registration to open in late April**

Upcoming Event CFPs

North America

- [Energy Thought Summit - May 19-22, 2025 - San Antonio, TX - Rolling submission deadline](#)
- [FERC Software Conference: Increasing Real-Time and Day-Ahead Market and Planning Efficiency Through Improved Software - July 8-10, 2025 - Washington, DC - Submission deadline March 21](#)
- [National Clean Energy Week - Sept 15-19, 2025 - Washington, DC - Rolling submission deadline](#)

Europe

- [MOVE - June 18-19, 2025 - London - Rolling submission deadline](#)
- [OpenSouthCode - June 20-21, 2025 - Malaga, Spain - Submission deadline March 31](#)
- [Open Source Summit Europe - August 25-27 - Amsterdam - Submission deadline April 14](#)
- [Climate Tech Show - October 1-2, 2025 - London - Rolling submission deadline](#)
- [Enlit Europe - November 18-21, 2025 - Bilbao, Spain - Rolling submission deadline](#)

Closing and Next Meeting

6:25 pm - 6:30 pm

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Next TAC Meeting

The next meeting of the LF Energy TAC is scheduled for 8 April 2025 at 8:00 am US Pacific Time/11:00 am US Eastern Time/5:00 pm Central European Time. Agenda will include:

- General Updates
- SAM proposal to move to Emeritus
- Shapeshifter Annual Review
- OperatorFabric Annual Review
- Open Renewable Energy System (ORES) Working Group
- 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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