



Open Power AI Consortium Kickoff

May 5, 2025



Thank you for joining us today!

- **This meeting is being recorded.**
- **You are muted upon entry.**
- **Use the Q&A feature to ask panelists questions.**
- **Closed captioning is available.**

Vision and Goals - EPRI



Dr. Arshad Mansoor
President and CEO,
EPRI

EAG Member Discussion - Constellation



Jay Cavalcanto
Chief Information Officer,
Constellation

Founding Member Discussion - NVIDIA



Marc Spieler
Sr. Managing Director,
NVIDIA

What does it take to be an OPAI Member?

1



Send intent and point of contact
Email: OpenPowerAI@epri.com
Website: <https://msites.epri.com/opai>

2



Signed EPRI Member Master
Agreement or OPAI
Memorandum of Understanding

3



[Optional] Confirm permission
to include company logo on
OPAI logo zoo



What happens next?

**EPRI is processing
requests and will
contact you soon.**

60

Confirmed
Members

75

MOU/Requests
In-Process

OPAI Participants

AI and Technology Partners



Other Strategic Partners



Energy Partners



OPAI Consortium Member Engagement



OPAI Member Engagement: What's Next?

LC and EAG to meet to establish OPAI strategic outcomes and priorities

Member Orientation & Onboarding



EPRI: Send Onboarding Email

- AI Experience Survey
- Member contact roster
- AI use case calls as needed

ALL: Complete Onboard Steps

- Assign MRC representative
- Assign WG representatives
- Complete AI Experience Survey

WG Structure and Work Plans



EPRI: WG structure and plans

- Finalize WG rosters/leads
- Schedule kickoff webcasts
- Request member inputs

ALL: Consider possible WG contributions

- Data sets, Use Case pilots
- Deployment roadmaps

Communication and Socialization

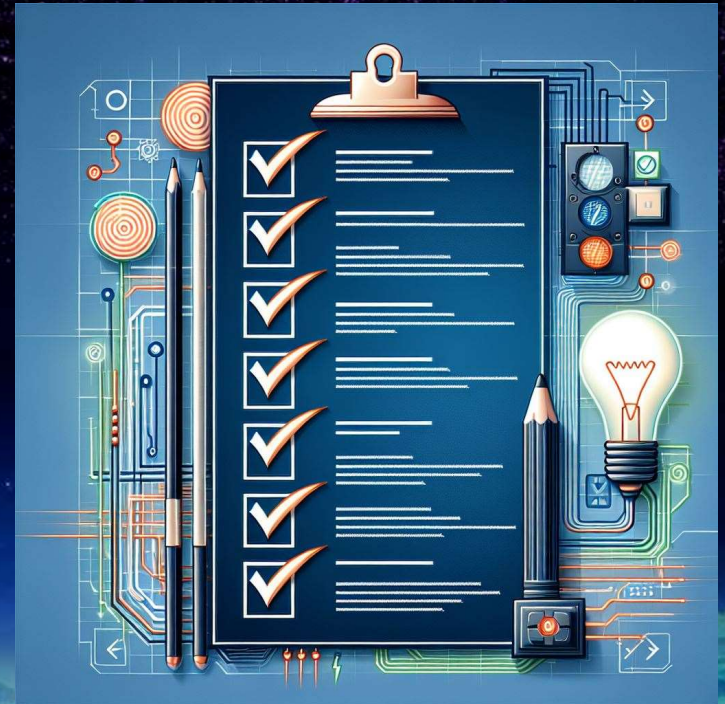


Monthly OPAI newsletter
(starting in June)

Begin member experience
and OPAI update webcasts
(starting in June/July)

Setting Objectives for Work Groups

- WG leads (utility and EPRI) will use LC direction and member survey results to identify top priorities
- Top priorities will determine
 - Activities to be performed
 - Outcomes to be delivered
 - Datasets/resources needed



Initial Priorities for the Three Work Groups



Electric DSM WG

- Collect additional training datasets
- Identify experts for model training and reinforcement learning



AI Use Case WG

- Identify high priority use cases
- Create/populate use case repository
- Teams to pilot and assess use cases



Deployment WG

- Identify deployment challenges/solutions
- Identify enabling technologies and partners
- Create deployment playbooks

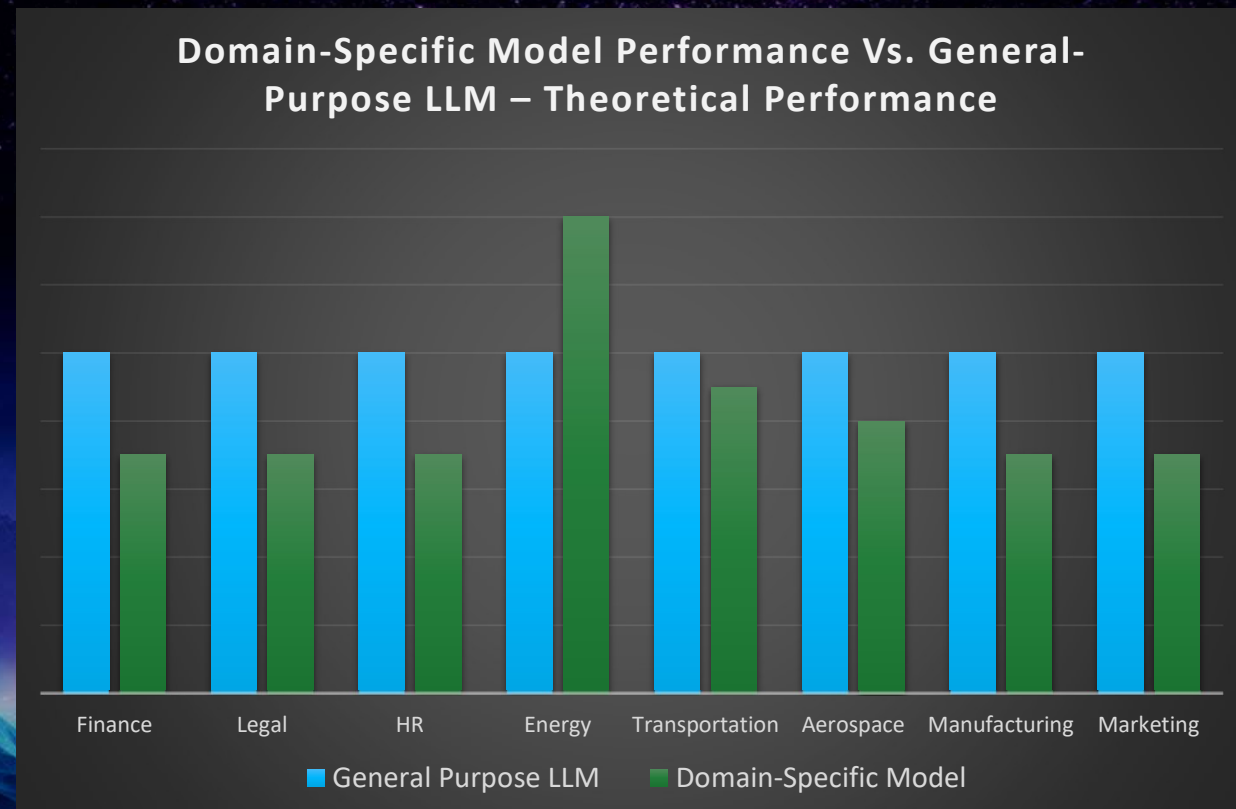


Appendix

What is the Value of a Domain-Specific Model

Improved Performance in a Specific Technical Domain

- A properly-trained DSM would ideally outperform a general-purpose LLM for its intended function.
- In parallel, this model would likely sacrifice performance in other technical domains.
- Figure to the right shows theoretical performance of a DSM vs. a general purpose LLM across several technical areas.



OPAI Member Engagement: What's Next?

What is EPRI Doing?

Send out the OPAI Consortium Survey to Members

Build out the Member Rep. Committee and Technical Work Groups

Assign leads for the Member Rep. Com. and each Work Group

What Do We Need from You?

Fill out the OPAI Consortium Survey

Assign a contact for the Member Representative Committee (Company's AI Lead)

Assign point(s) of contact for the Work Groups (technical SMEs)