

CAE 2018 Q4 Series

05 - 12 Dec 2018

Poll results

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What is the greatest resource/capability that you bring to the room today?



programming portfolio planning products multi transportation mindset mobility organization knowledge understanding broad modal projects technology experience funding program mile market utilities research development energ reliable technolgy resources work policy sensors powering stakeholders power efficiency models data solutions innovation sustainability integrated procurement^{smart} engineering perspective resilient communications outreach

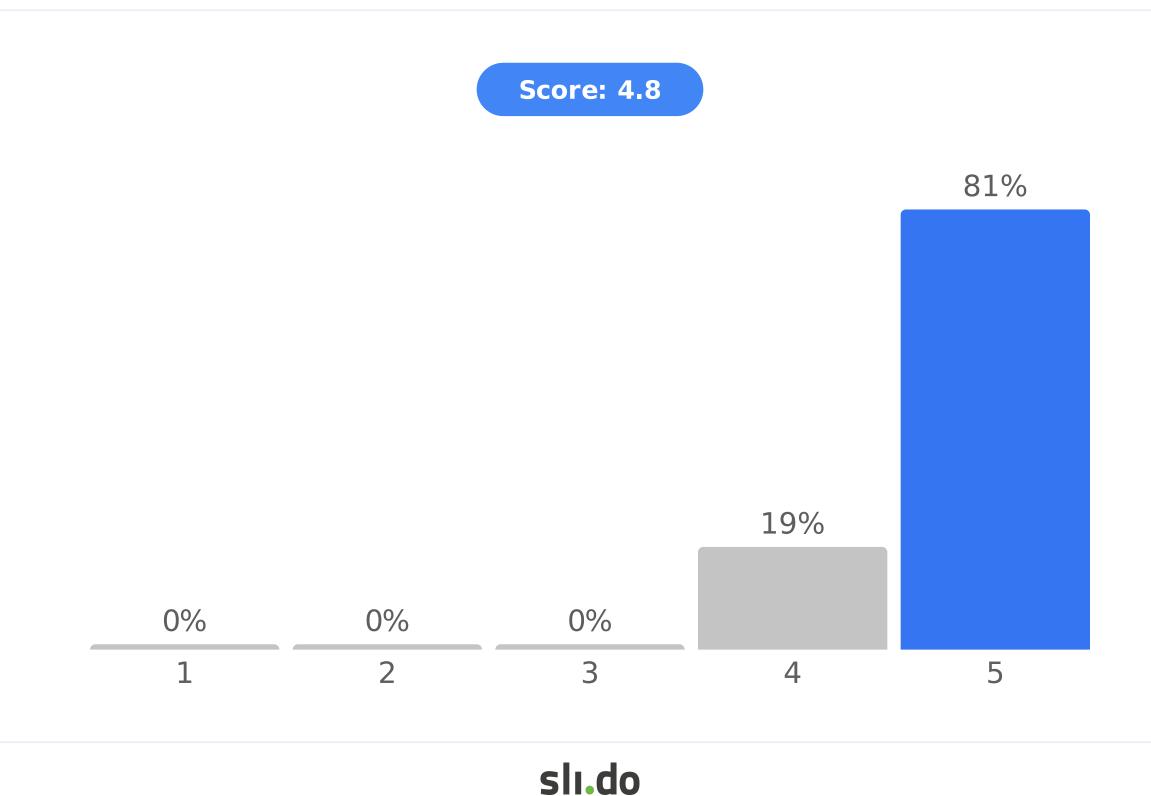
Rating poll

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CAE Q4 - Post Event Survey (4/9) How likely are you to recomm



How likely are you to recommend AEG events? (5 = very likely)



CAE Q4 - Post Event Survey (5/9)

Do you have any suggestions for a Discussion Leader at our next event?

• N/A

Open text poll

- Ashley Harrington at ComEd
- No, the discussion was dynamic, and engaging. I felt that everyone's thoughts were considered and incorporated into the topic discussion.
- no
- N/A great work!
- For the next transportation event? I'm going to think about it.
- No

- Depending on the topic, yes
- Dr. Shay Bahramirad, ComEd
- Utility EE managers
- Yes, someone from GI Energy!!!
- Will follow up



Advanced Energy

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CAE Q4 - Post Event Survey (7/9) What do you see as the key challenge identified today?

(1/4)

- N/A
- EV acceptance
- In my opinion, I believe that the key challenge identified today is that there are numerous issues with our current transportation process that spans all industries in all communities. This is not a single company/organization problem and will not be able to be fixed individually. In order to solve

these issues it will take the education, cooperation, and collaborative efforts of the group as a whole in order to lay the foundation from which everyone can benefit going forward.

 If I am thinking about this correctly, it's how to equitably and effectively move cargo and people from one place to another with multimodal transportation options.

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CAE Q4 - Post Event Survey (7/9) What do you see as the key challenge identified today? (2/4)

The challenge is being addressed specifically for UIC, with a focus on improving GHG emissions and incorporating EV options. The goal being to have a pilot rolled out within a year's time.

- integration of multiple
 independent technologies into
 a single platform for
 accessibility and efficiencies.
- Properly managing the mobility revolution

to deliver optimal results.

- Piloting IT platform that can gather and analyze data to aid in the creation of policy and test technologies that prioritize green transit on a campus.
- Making sure that advances in clean mobility, autonomous transport, and new business models (eg mobility as a a service) are aligned

(3/4)

CAE Q4 - Post Event Survey (7/9) What do you see as the key challenge



for maximal impact (economical, environmental, social)

identified today?

- Actually implementing the app at the test site of UIC
- Integratingbthe different technologies for electric and autonomous vehicles, with supporting economics and regulations.
- Identifying what entity should be charged with deploying EV charging infrastructure.

- Large-scale societal change
- X
- Present a plan to implement a 12 month program to more efficiently and sustainably provide transportation of people and cargo throughout the city of chicago.
- Defining actionable chunks of progress
- Harmful emissions in transport
- Democratizing energy improve St.

CAE Q4 - Post Event Survey (7/9)



What do you see as the key challenge identified today?

(4/4)

- Narrowing the scope
- Trucking logistics
- Driving Change

CAE Q4 - Post Event Survey (8/9)



To address this challenge, what actions do you think need to happen in the next 12 months?

(1/5)

- N/A
- Free parking for EV vehicles in Chicago
- I think that the answer exists in two parts.. 1. There will need to be effective conversations with local, regional, state, and federal leaders in order to convey the need for change in a way that will be heard and acted upon. 2. The entities that

have the largest audience (such as universities, municipalities and large corporations) need to begin piloting programs that offer solutions so that they can pave the way for those that are watching and waiting but do not have the proper funding to take some of the risks that are involved.

• At a high level,

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CAE Q4 - Post Event Survey (8/9)



To address this challenge, what actions do you think need to happen in the next 12 months?

(2/5)

the steps required would be to. Understand the objectives of the project, project scope, scenarios, hypotheses, and develop a set of KPis. Conduct an assessment of the school's needs (i.e what is being transported and from where, how much ghg emissions released, congestion impact, utilization, who is involved, etc). Determine best

solutions to meet the school's needs (i.e. oprimize scheduling, incentive structures, new technology, etc.). Develop an implementation plan and look for funding / equipment and other support opportunities from public programs and stakeholder organizations. Source vendors for services. Implement and test the solution to

CAE Q4 - Post Event Survey (8/9)



To address this challenge, what actions do you think need to happen in the next 12 months?

(3/5)

understand effectiveness. Iterate.

- develop standards for data collection & tagging to facilitate integration opportunities
- A pilot needs to get off the ground.
- We discussed a pilot lead by a task force.
- —Convene focus groups with consumers, industry,

technologists, government and other stakeholders to generate a roadmap which ensures clear objectives for the development of the three areas listed above —Develop one or more mobility challenges that require a three-pronged approach (lowcarbon, autonomous, service structure) to encourage pilot tech and/or policy uptake

• gathering data, identifying

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CAE Q4 - Post Event Survey (8/9)



To address this challenge, what actions do you think need to happen in the next 12 months?

(4/5)

other apps, piggyback on them reasonably be completed and then bring them together within 12 months. into one mobility app. There is a lot of work there.

- Demonstration project with key stakeholders
- Need direction from regulators, i.e., regulatory or legislative.
- Team 10 solution!
- X
- Implementing a realistic program that can

- Keep communication in forums like this
- More transparency of options for transporters, including price, ghgs, health stats to compare various modes of transport.
- Greater outreach to raise awareness.
- I think we have a good

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Open text poll

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CAE Q4 - Post Event Survey (8/9)



To address this challenge, what actions do you think need to happen in the next 12 months?

(5/5)

start with the task force

• Keep getting people involved.