

NANC WELCOMES

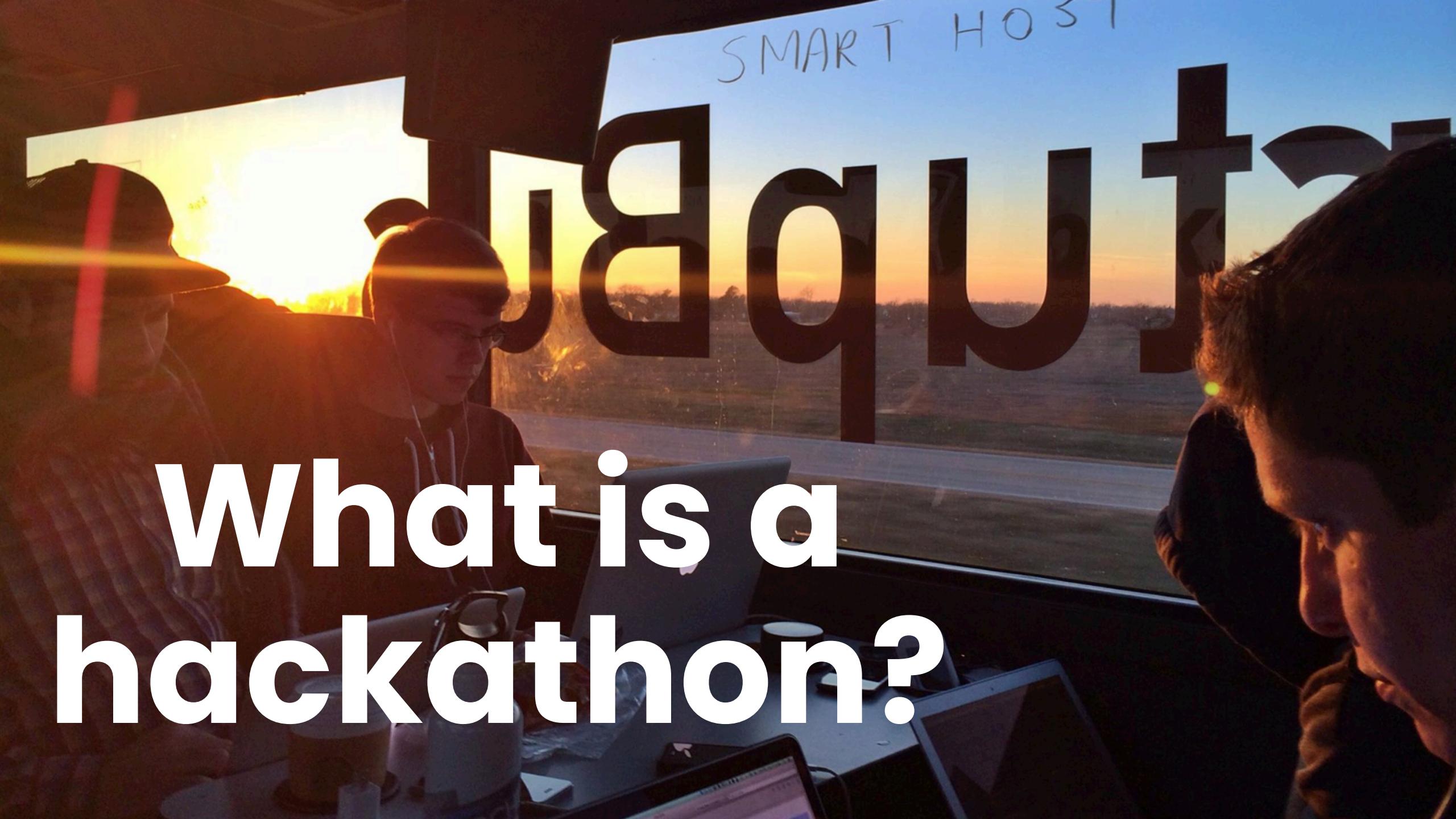
Hack CT



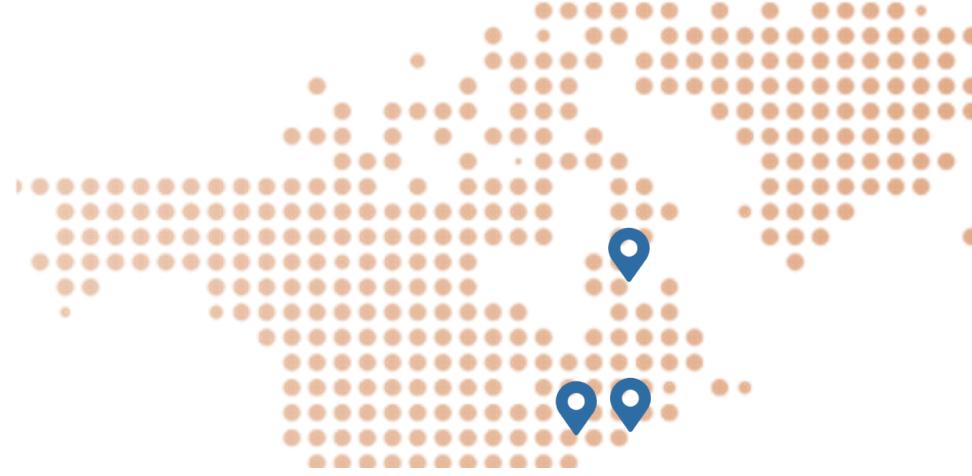
Transportation
Summit



Why are
we here?

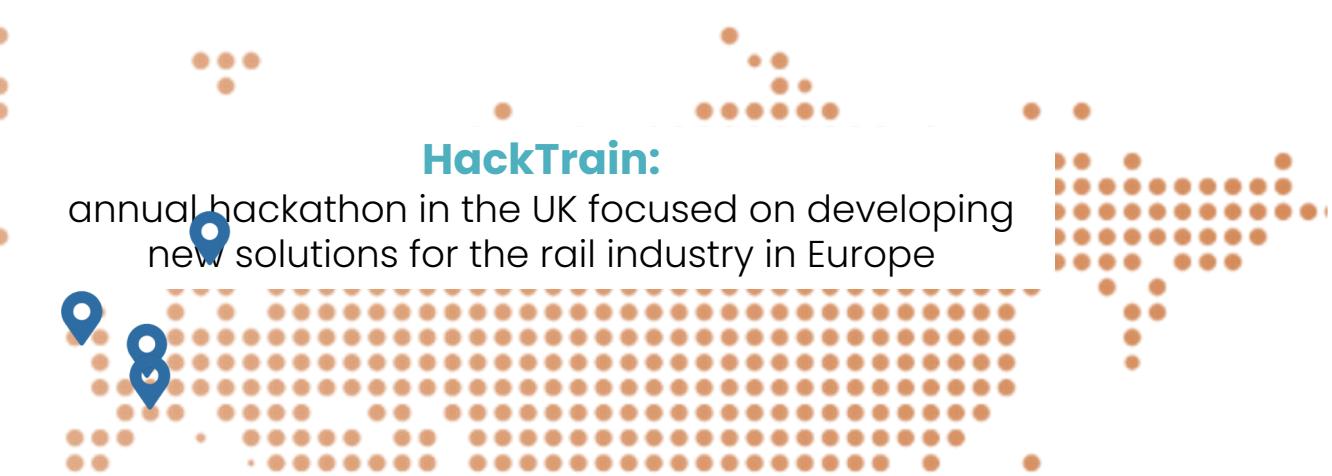
A photograph showing several people working on laptops in a dimly lit room. In the foreground, a person's hands are visible on a keyboard. In the background, a large window looks out onto a sunset over a field. A large, semi-transparent graphic of the word "hackathon" is overlaid on the image. The letters are dark and have a slight glow. Above the word, the words "SMART HOST" are written in a smaller, hand-drawn style.

What is a hackathon?



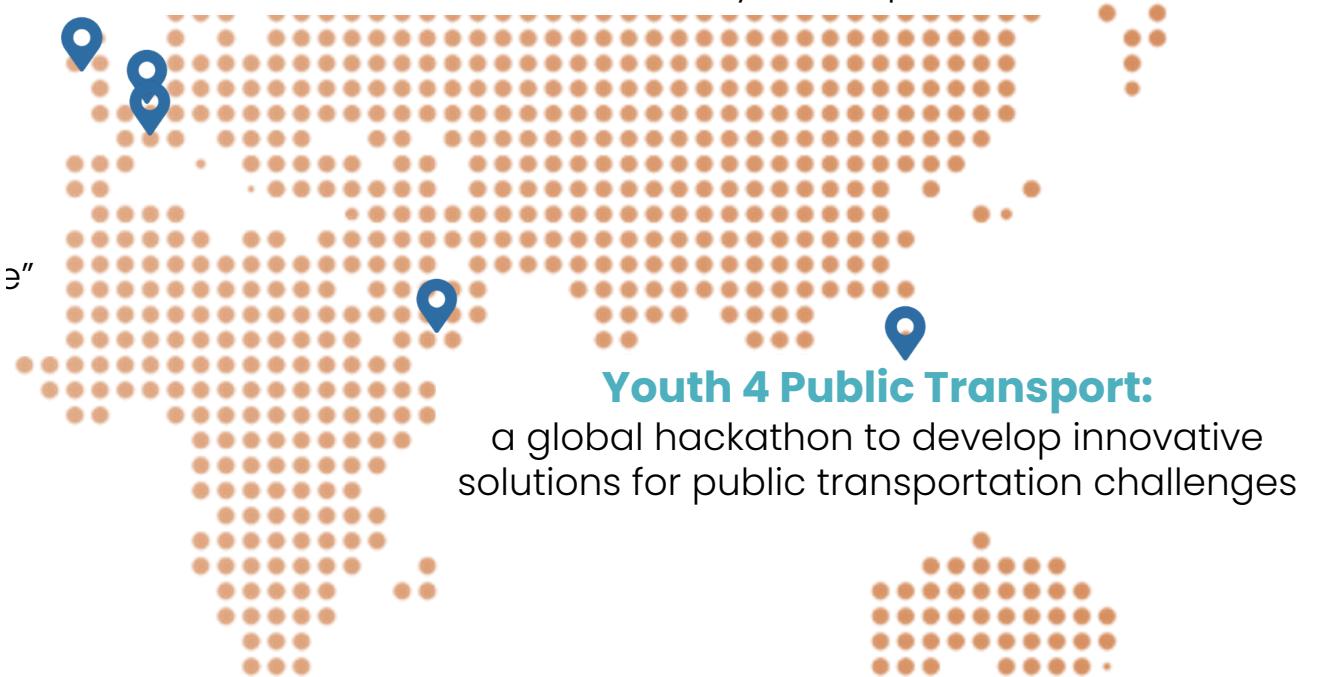
Urban Mobility Hackathon:

a global event focused on developing new solutions for urban transportation challenges



HackTrain:

annual hackathon in the UK focused on developing new solutions for the rail industry in Europe



Youth 4 Public Transport:

a global hackathon to develop innovative solutions for public transportation challenges





**What is the current
landscape?**

challenges



Capitalizing on the Infrastructure Act

Context:

There is a federal program that offers funding for projects, including roads, bridges, mass transportation, and airports. The program is set to expire in the next 4-5 years, and there are currently grant cycles available.

Barriers:

Many towns and cities lack the expertise and the 20% match needed to apply for these grants, which are complex and competitive. There is also a perception that public transit is not for everybody.

Opportunities:

Public support would come for the 'right' project, so it is critically important to inform the public to generate interest. The program could have a significant lasting impact on the safety, economy, and perception of Connecticut.



Walkable Streets & Bike Lanes

Context:

There are 16 towns and 11 villages in NECOG, which are among the poorest in the state – covering 1300 miles of road. There is a spotty network of sidewalks that do not currently abide by ADA standards and haven't been updated in years.

Barriers:

The towns are very spread out and matching the 20% funding required is a challenge for the Northeast corner.

Opportunities:

There is a \$200,000 grant for Safe Streets available, the minimum amount, focusing on Route 6. Funding is also available for future project proposals over the next few years, with no financial limits if we can capitalize on it.



Last Mile Solutions

Context:

Microtransit and ride-sharing services are unattractive due to the low population density, poor public perception and the rural nature of the Northeast.

Barriers:

The challenge is that a certain volume of passengers is needed to make these services work efficiently. Additionally, it has been a challenge to find qualified bus drivers.

Opportunities:

With increased mobility there would be enhanced employment, economic and educational opportunities.



GPS on Buses

Context:

There is the possibility of using existing GPS technology on buses to provide updated information to riders about bus routes, times, and stops.

Barriers:

This would require agreement among transit districts, nonprofits and bus providers to initiate, build, and support.

Opportunities:

Using the information gathered through GPS, and a comprehensive fleet inventory, a single platform could serve as a broker for rides, allowing riders to be directed to the most efficient means of transportation to and from their destinations.



Cross-Border Initiatives

Context:

Connecticut is divided a million ways – most notably legislatively, economically and physically. There are 8 counties, 9 COGs, 6 regional educational service centers and 15 transit districts, which do not all interconnect and line up.

Barriers:

The state is home to some of the wealthiest and poorest pockets in the country and does not offer a structure for mutual collaboration and cross-border transportation.

Opportunities:

Connecting this part of the state to the rest of Connecticut and neighboring states will have a vast impact on the economy and mobility of residents.



Optimizing Rider Data

Context:

There is a lack of comprehensive data on riders and the prospect of coordinating transit service with the needs of large employers is challenging.

Barriers:

Federal programming provides funding to fill gaps in transit service, but some organizations have underutilized the vehicles acquired through these means. Additionally, the statistics utilized to assess funding do not necessarily equate to needs.

Opportunities:

There is a pronounced need for better connections between different transit systems to address low ridership and the challenges of providing frequent service without incurring undue costs. Through effective planning, data aggregation, and coordination many stakeholders might benefit.





How do we solve the problem?

A photograph of a two-lane asphalt road curving through a landscape. To the left is a field of tall, golden grass. In the background, there are dark, silhouetted hills under a sky filled with warm, orange and yellow hues from a setting sun.

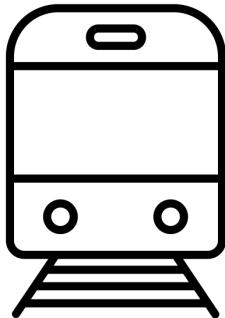
Your task is not
to foresee the
future, but to
enable it.

Antoine De Saint-Exupéry

Challenges



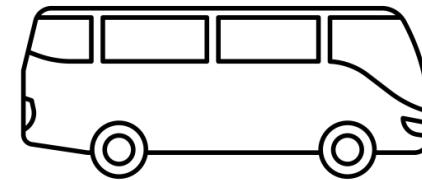
Walkable Streets
& Bike Lanes



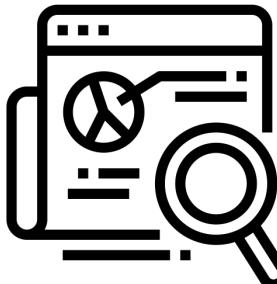
Cross-Border
Initiatives



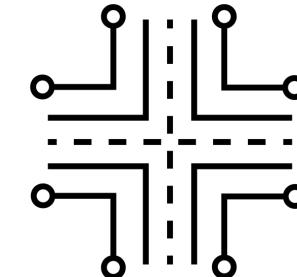
GPS on Buses



Last Mile
Solutions



Optimizing
Rider Data



Infrastructure
Act



What's Next?



Transportation Hackathon

Our goal for this Summit was to build momentum and drive excitement for what can be achieved with HackCT.

What's Next?

HackCT's first hackathon will be on the weekend of **Friday, September 15th** where we'll be building on the concepts generated today to create tangible solutions.

Our Ask to You & Your Networks

People: We're looking for participants, mentors, sponsors & spectators

Content: technical assets (data sets, reports, APIs, etc.)