



MEMORANDUM

DATE: NOVEMBER 14, 2018

TO: HIGH PERFORMANCE TRANSPORTATION ENTERPRISE BOARD

FROM: DAVID SPECTOR, DIRECTOR, HIGH PERFORMANCE TRANSPORTATION ENTERPRISE

SUBJECT: MOBILITYNEXT

Purpose

The purpose of this memo is to provide the High Performance Transportation Enterprise Board of Directors (Board) an introduction to MobilityNEXT.

Action

Discussion only, no action requested.

Background

Jim Doyle, the former President of Panasonic Enterprise Solutions and current head of MobilityNEXT, will present to the Board about MobilityNEXT, a local facility and concept being designed to drive collaboration between the public sector and private sector, which will connect in a collaborative, environment to quickly test, implement and scale new mobility technologies. City and County of Denver, CDOT, RTD and DEN (among others) have already expressed an interest in participating in MobilityNEXT.

Next Steps

Following the presentation by Mr. Doyle and discussion with the Board in November, Staff may return to the Board in January with a request to approve a Memorandum of Understanding (MOU) with MobilityNEXT and the other participating public partners.



mobility*next*

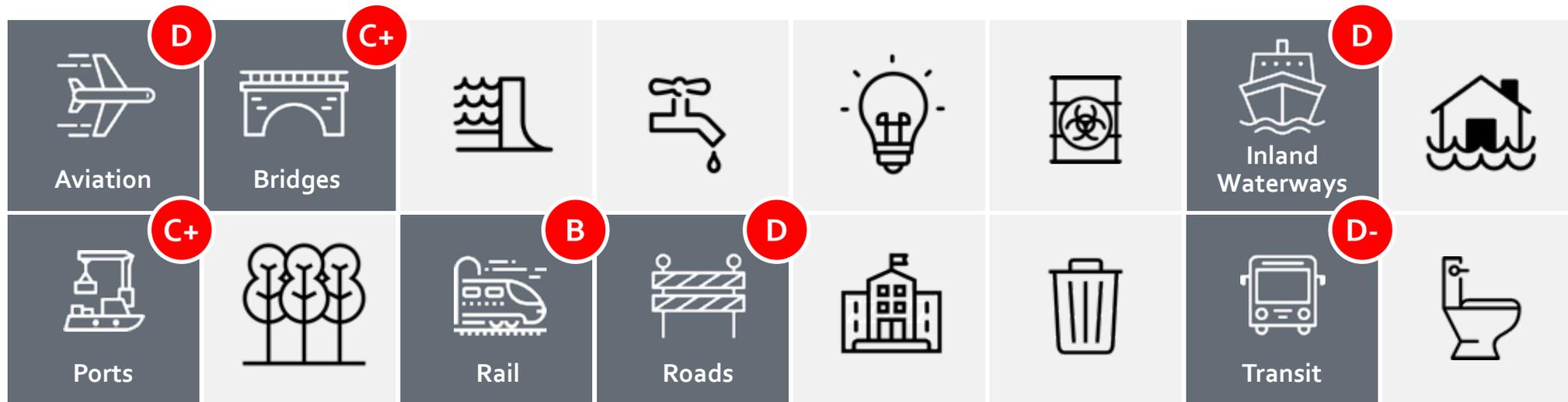


COLORADO
HPT
PARTNER. INNOVATE. ACCELERATE.

Overview, November 2018

As you know, the U.S. is facing an infrastructure crisis across all modes of transportation

2017 Infrastructure Report Card



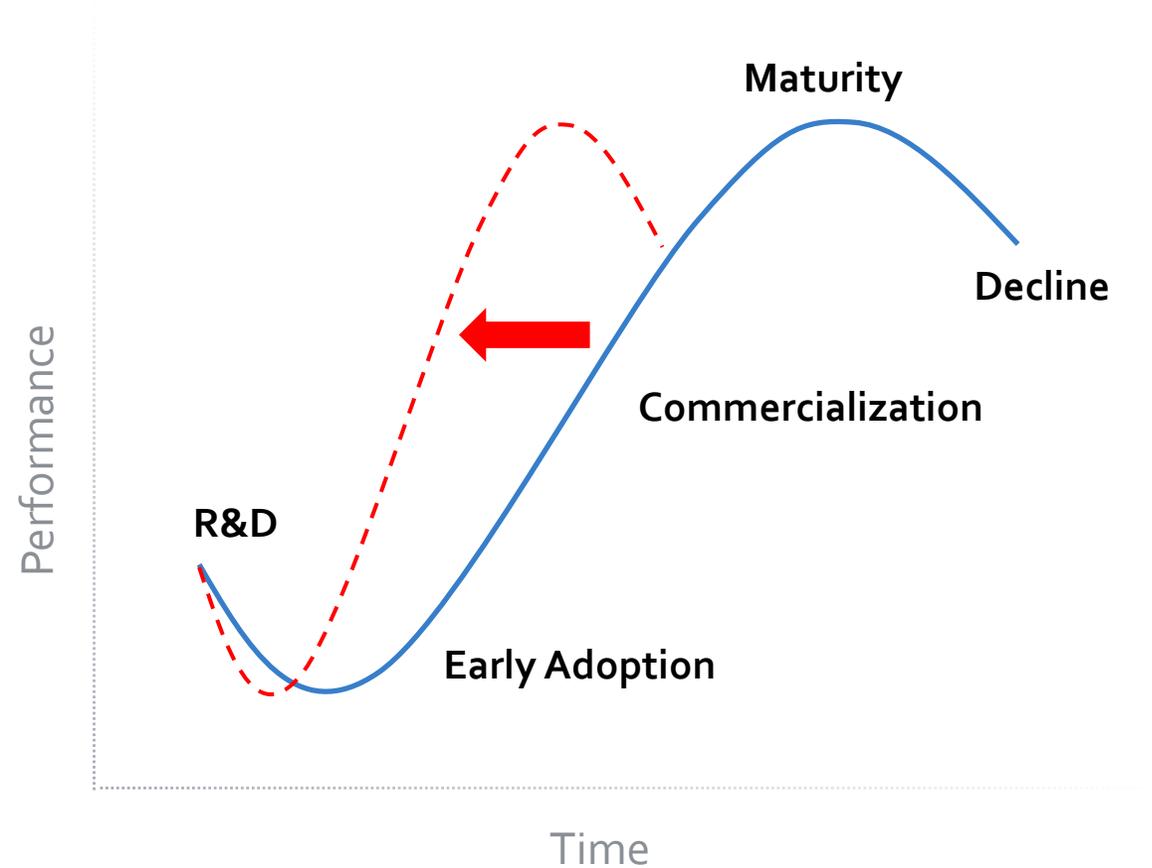
ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS



So, how can we overcome
this immense challenge?

The key to overcoming this funding challenge is to **accelerate the adoption of advanced technologies**

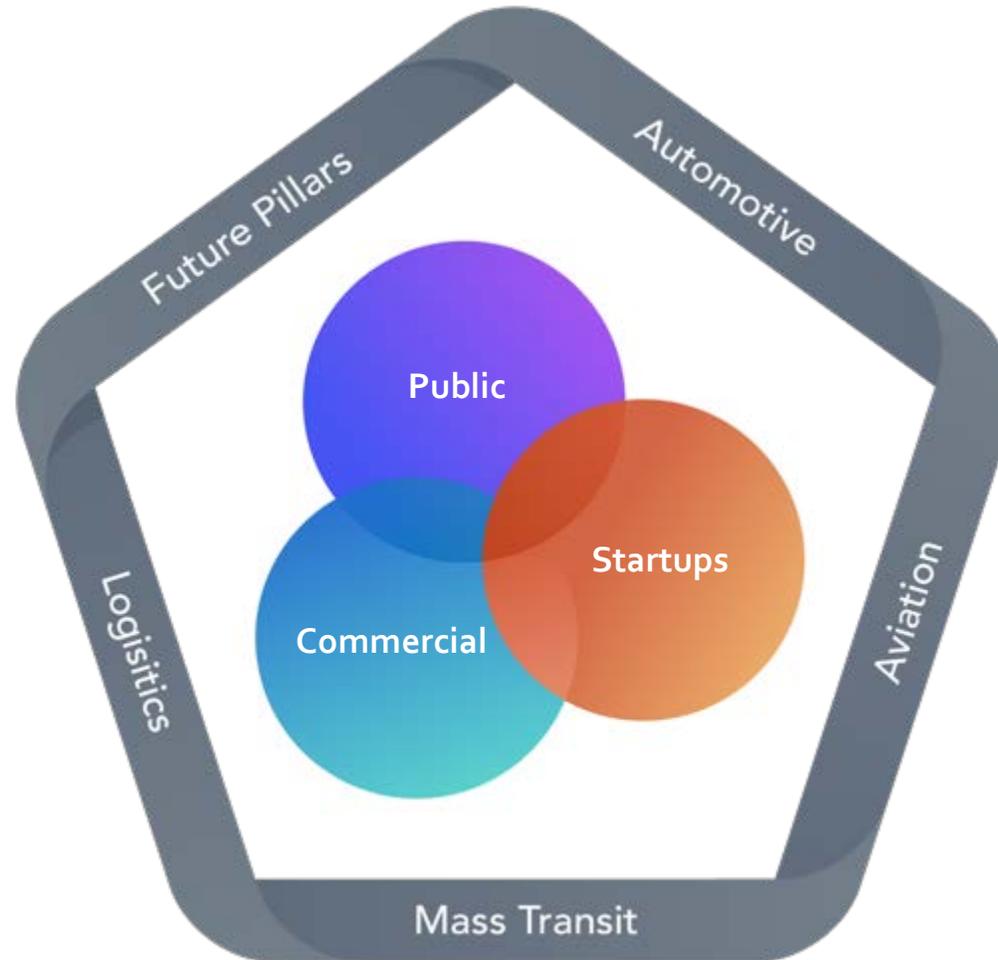
- *Leverage R&D*
- *Drive Early Adoption*
- *Accelerate Commercialization*



This can be done by concentrating an array of P3 stakeholders into a highly collaborative environment at a broad scale

P3 Members bring people, capital and networks...

... to drive innovation in and across selected Mobility Pillars



Public

- Teams Co-located Full-Time
- Access to Transportation Networks across Colorado (e.g. Airport, Transit, Roads...)

Startups

- Companies Co-located
- Innovation & Ideas

Large Commercial

- Project Teams Co-located
- Investment of Time, Knowledge and Capital

While mobility centers exist across the U.S. and world, all lack the breadth of modes and scale of MobilityNEXT

Mobility Centers are primarily focused on...

MobilityNEXT—in contrast—covers...

TransitCenter

M city
UNIVERSITY OF MICHIGAN

Mobility Lab

MIT
International Center for
Air Transportation

CTR
CENTER FOR
TRANSPORTATION
RESEARCH

Unimodal

Focused on single mode of
mobility (e.g. Auto or Aviation)



Intermodal

Multiple modes of mobility, allowing
for intermodal solutions

Research

Academic research, early-stage testing,
and limited deployments/scalability.

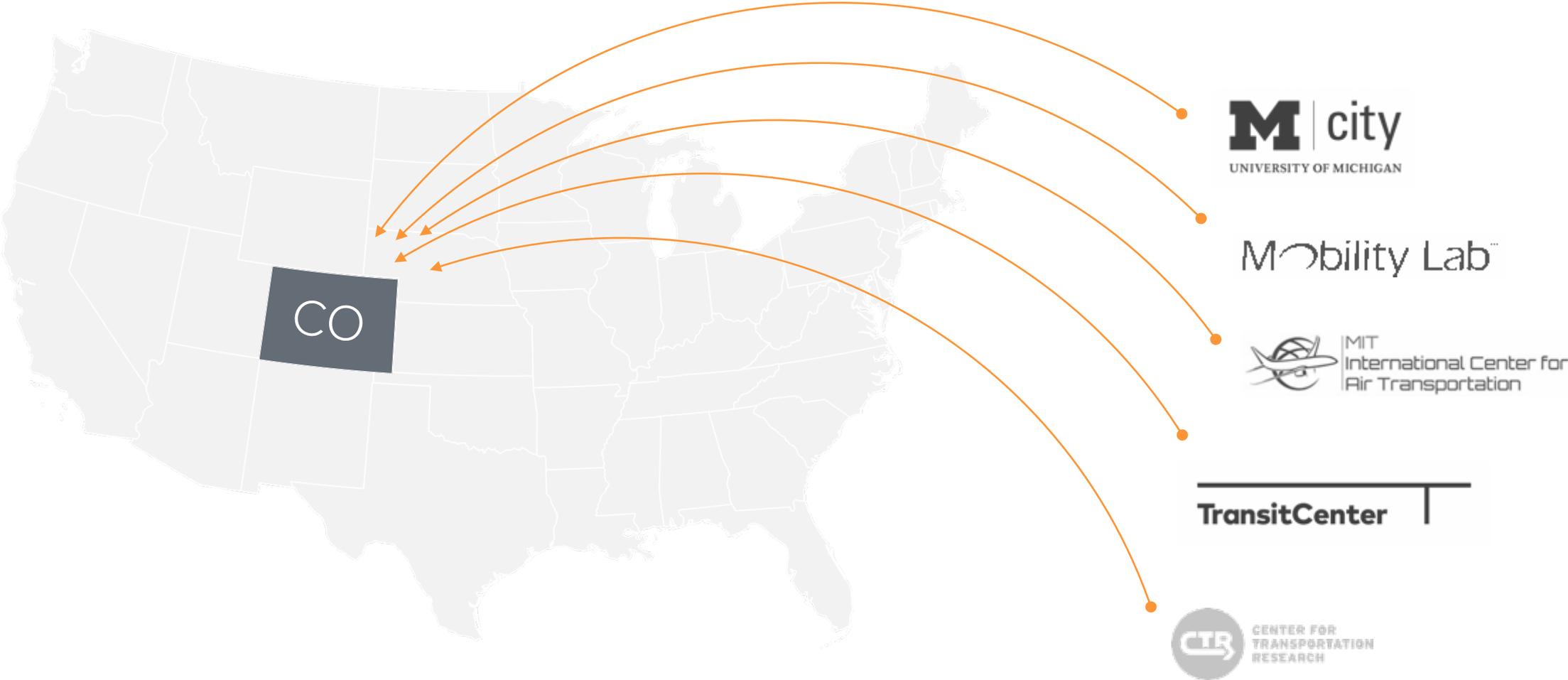


Commercialization

Later stage deployments, and unprecedented
scalability offered by leveraging an entire state.

mobilitynext

MobilityNEXT is positioned to leverage and funnel projects from these centers for commercialization and deployment



Membership in MobilityNEXT provides members with unique value

Pillars

Programs

	Automotive 	Aviation 	Mass Transit 	Logistics 	Future 
Mobile Payments					
Traveler Security					
Insurance					
Data Analytics					
Financing Models					
Vehicle Electrification					
Intermodal Optimization					

SERVICES

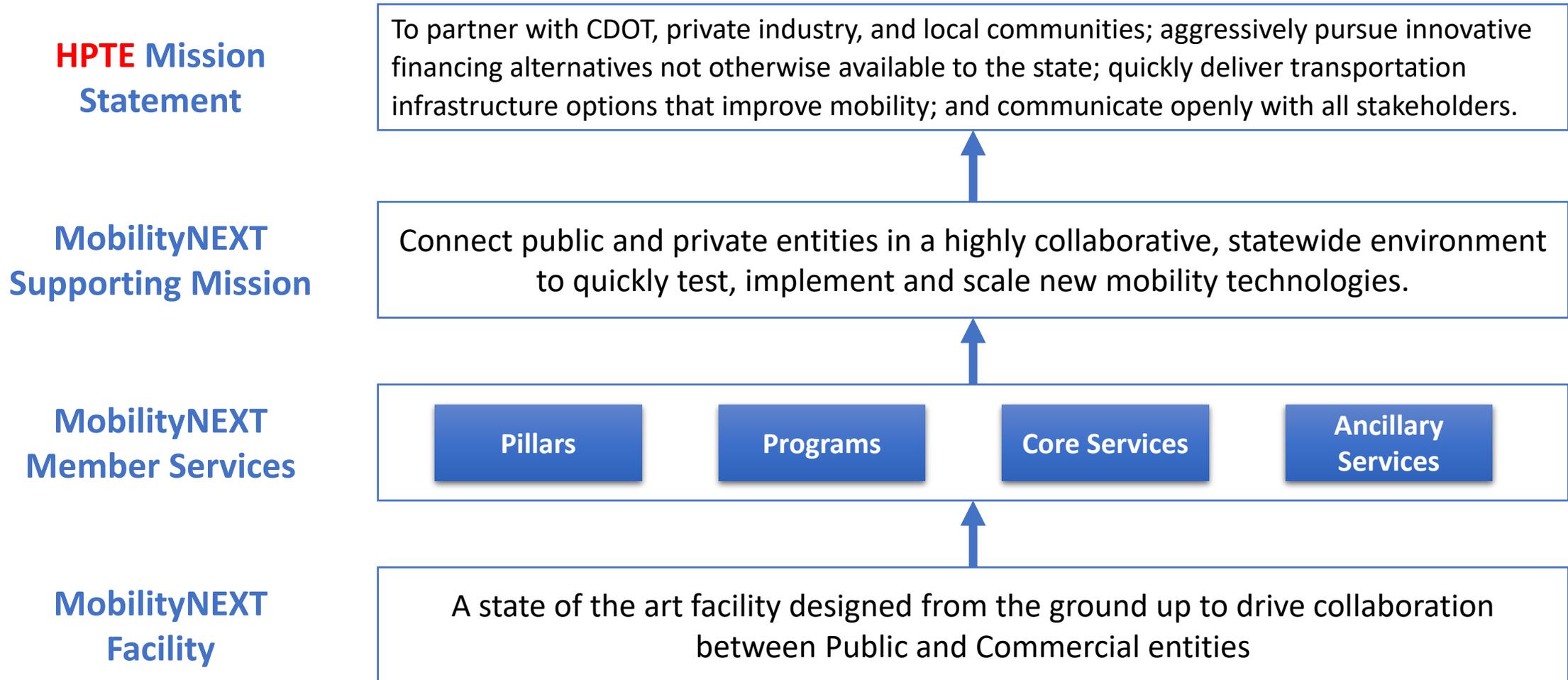
Core Services:

- Public-Side Challenge ID
- Commercial-Side Challenge ID
- Mashups
- Deployment Coordination
- Facility Management & Services
- Concentrator Event Management

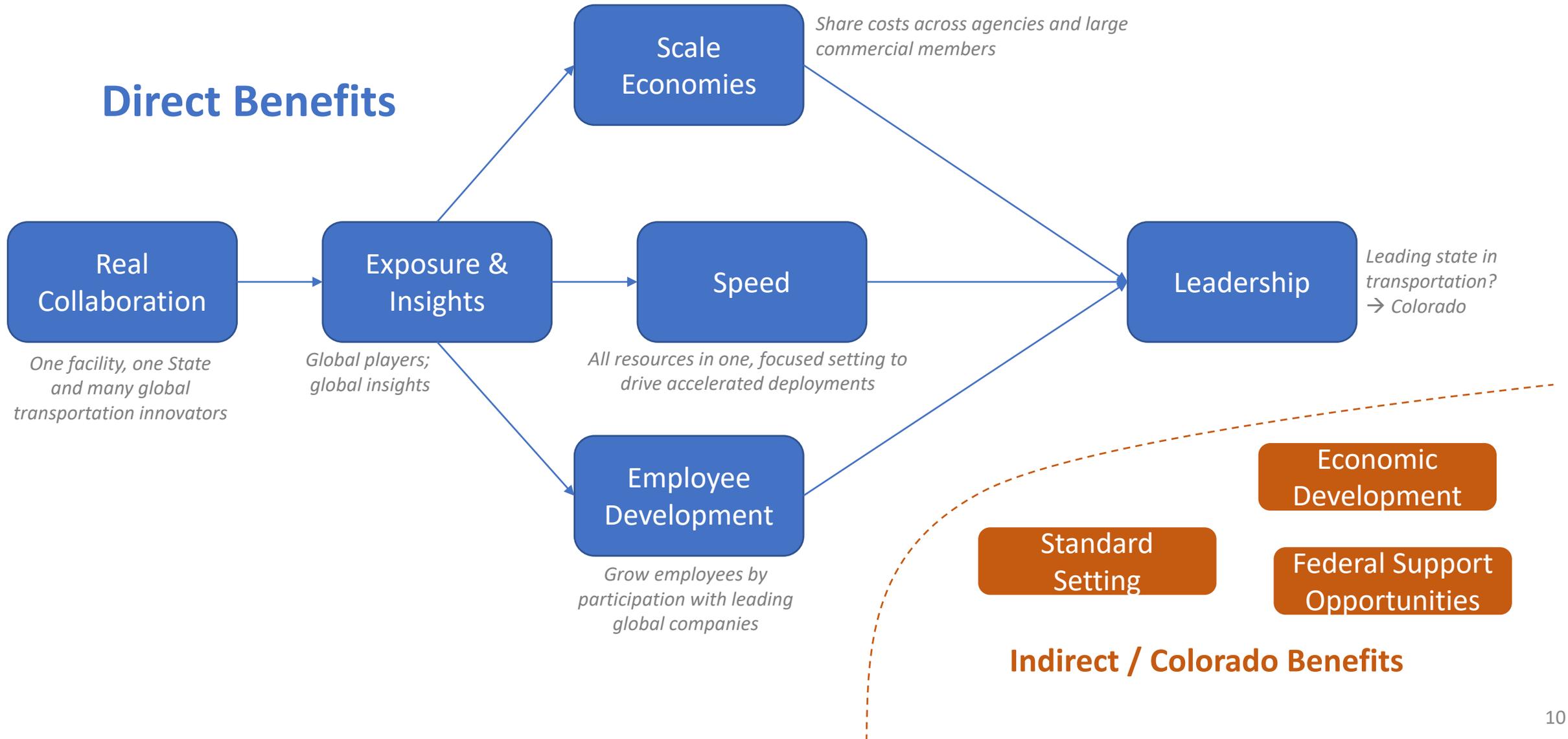
Ancillary Services

- Legal
- Solution Design
- Service Design
- Facilitation Services
- Business Case/Financial Analysis
- Event Planning
- Investment Advisory Services
- Back Office Administration

Public Agencies are the core of MobilityNEXT

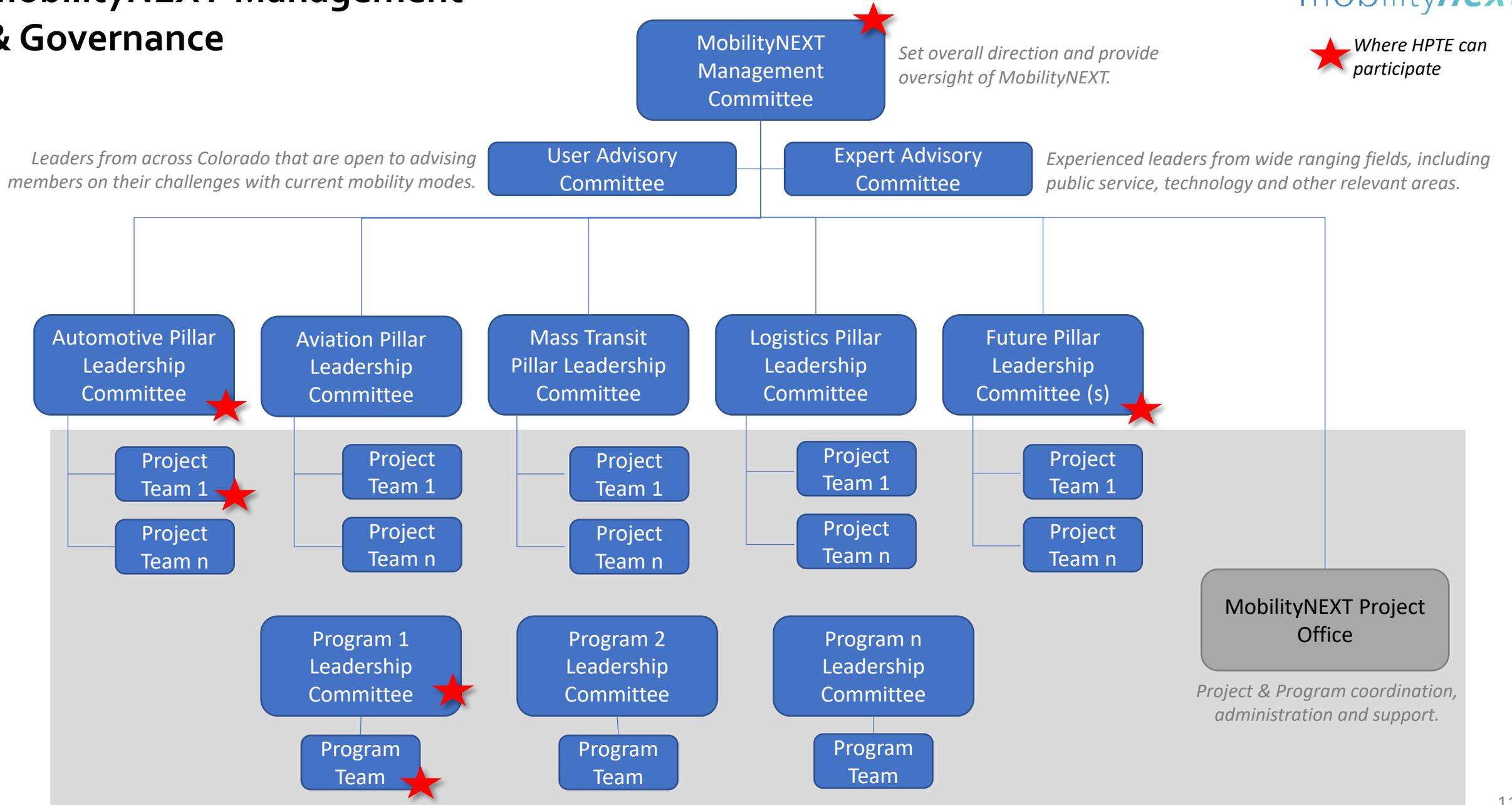


What is the value to Public Agencies?



MobilityNEXT Management & Governance

Where HPTe can participate



Located at Peña Station NEXT, the MobilityNEXT “concentrator” is a state of the art, purpose-built facility offering members constant collaboration.



FACILITY

A NEW TAKE ON CO-WORKING

- Next Gen Coworking
- Purpose Built as a Mobility Center
- Designed for Productivity, Innovation and Collaboration



AVIATION



AUTOMOTIVE



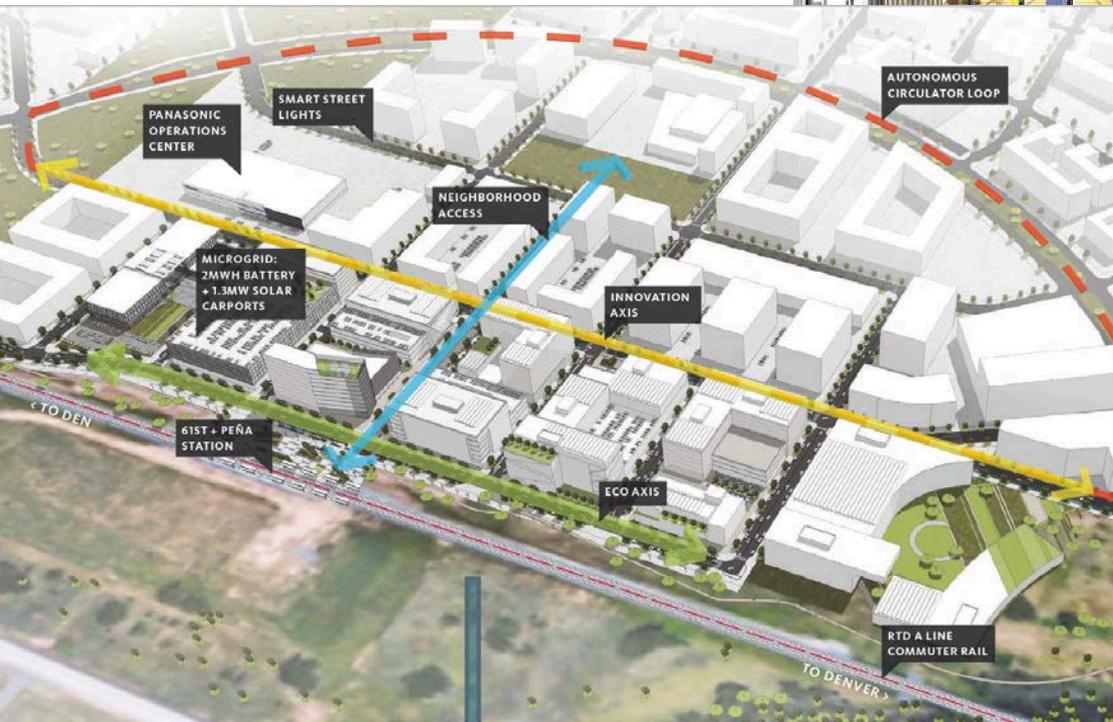
MASS TRANSIT



LOGISTICS



WHAT'S NEXT?

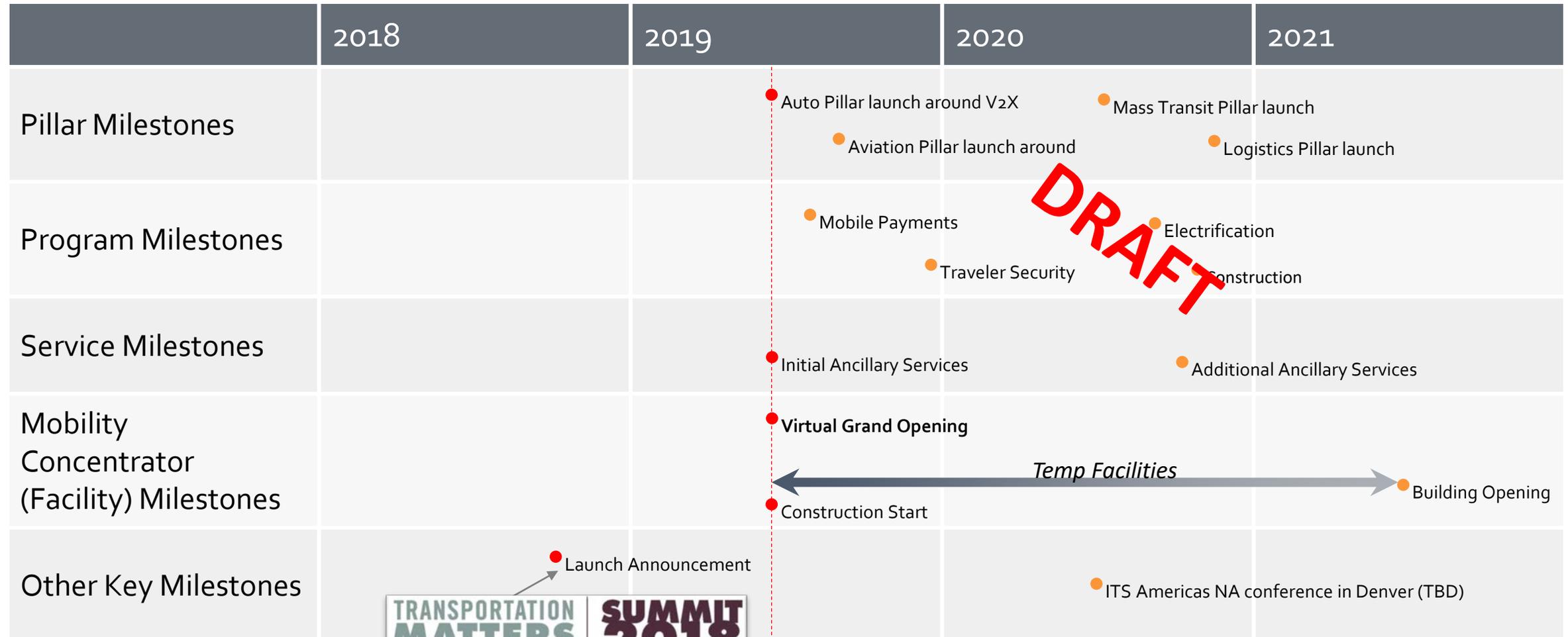


Developed by DEN, this facility houses public agency personnel, commercial teams, and innovative startups, as well as:

- DEN Employees
- [CDOT's TOC]
- [RTD Integration into TOC]
- ...

PEÑA STATION
NEXT 

MobilityNEXT launched September 2018 and will use temporary facilities until the DEN developed facility opens in 2021



DRAFT



Already almost 40 potential supporters and members from around the world have shown sincere interest in joining MobilityNEXT

	Public / Non-Profit	Large Commercial	Startups	Key Supporters
Initial Interest to Contracts				
Additional Target Members				

HPTE will be a key partner of Mobilitynext!



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