

SANE Transit Technology Roadmap

CSSEI

**Ron Swenson, INIST
Burford Furman, San José State University**

May 2016

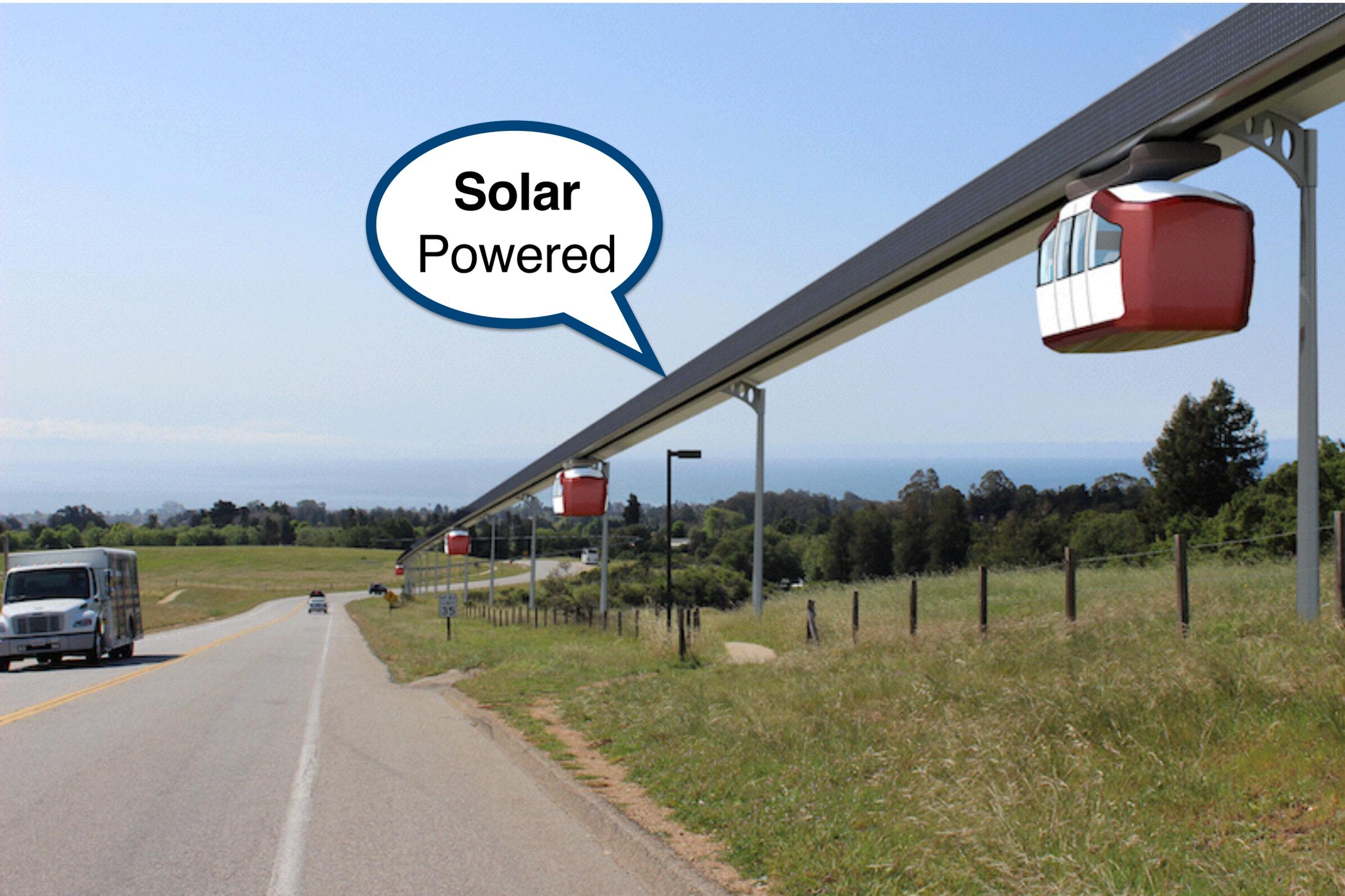


**SPARTAN
SUPERWAY**

We are developing S.A.N.E. Transit Networks — Solar, Automated, Nonstop, Elevated

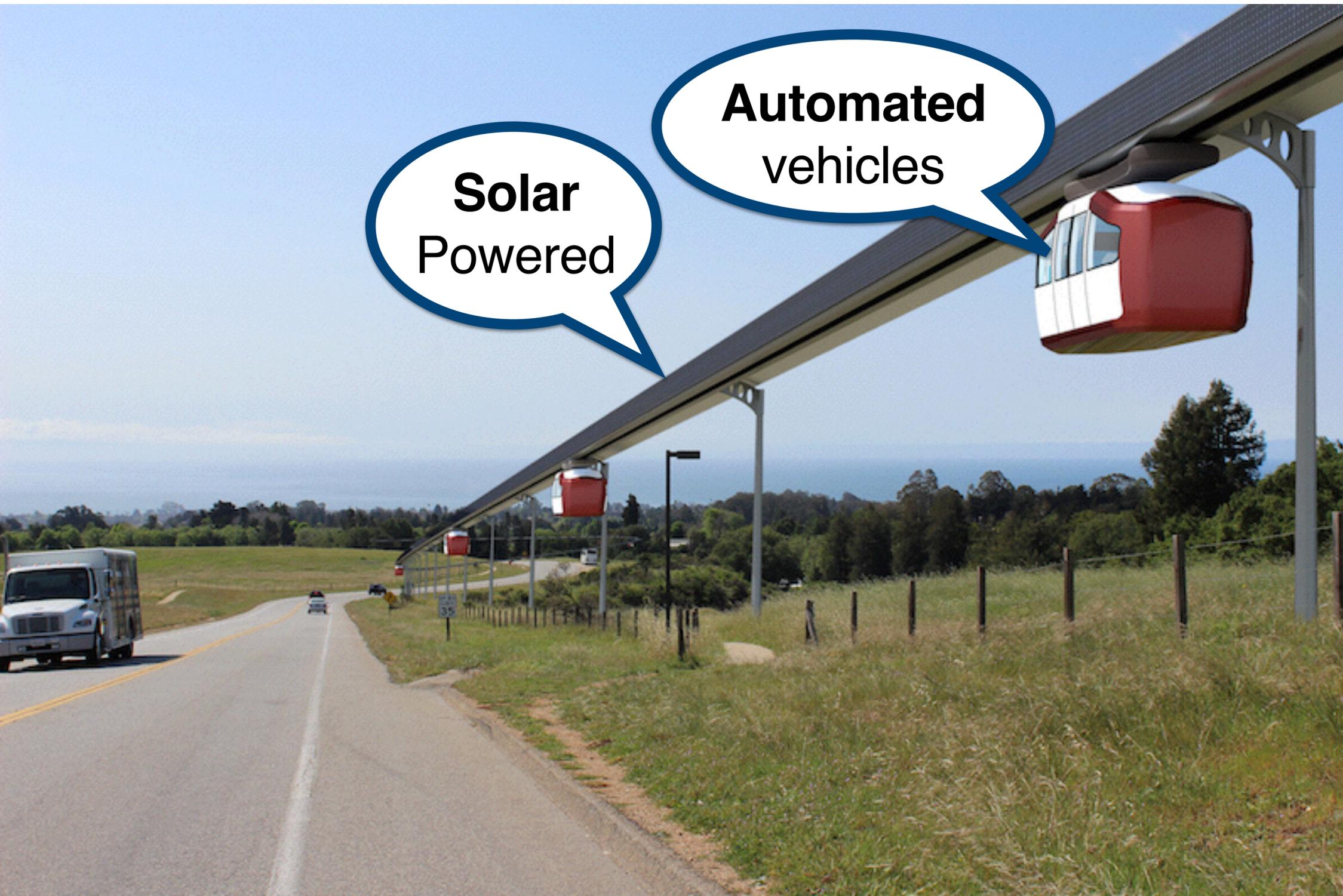


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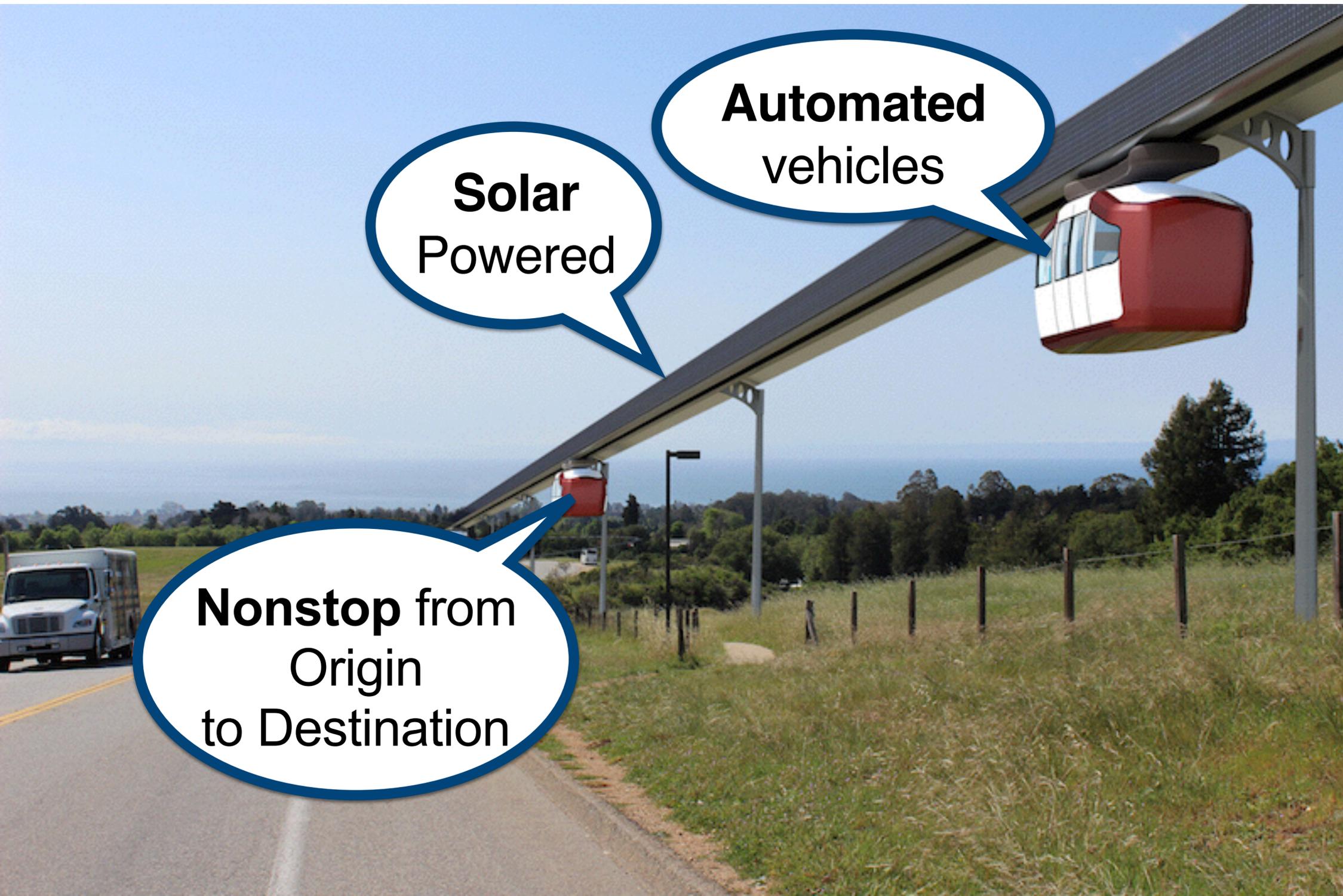


Solar
Powered

Automated
vehicles

S A

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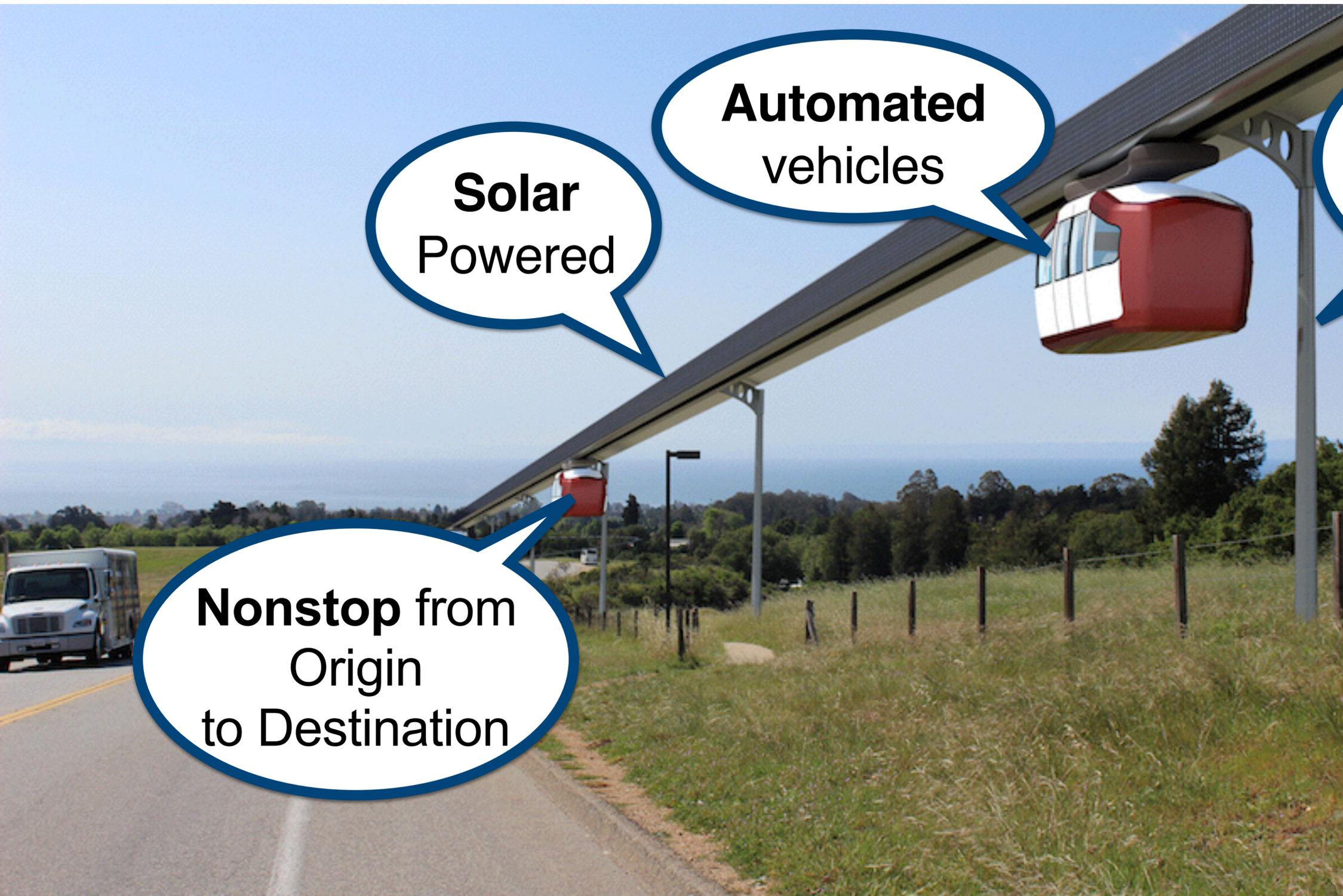
**Solar
Powered**

**Automated
vehicles**

**Nonstop from
Origin
to Destination**

S A N

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**Solar
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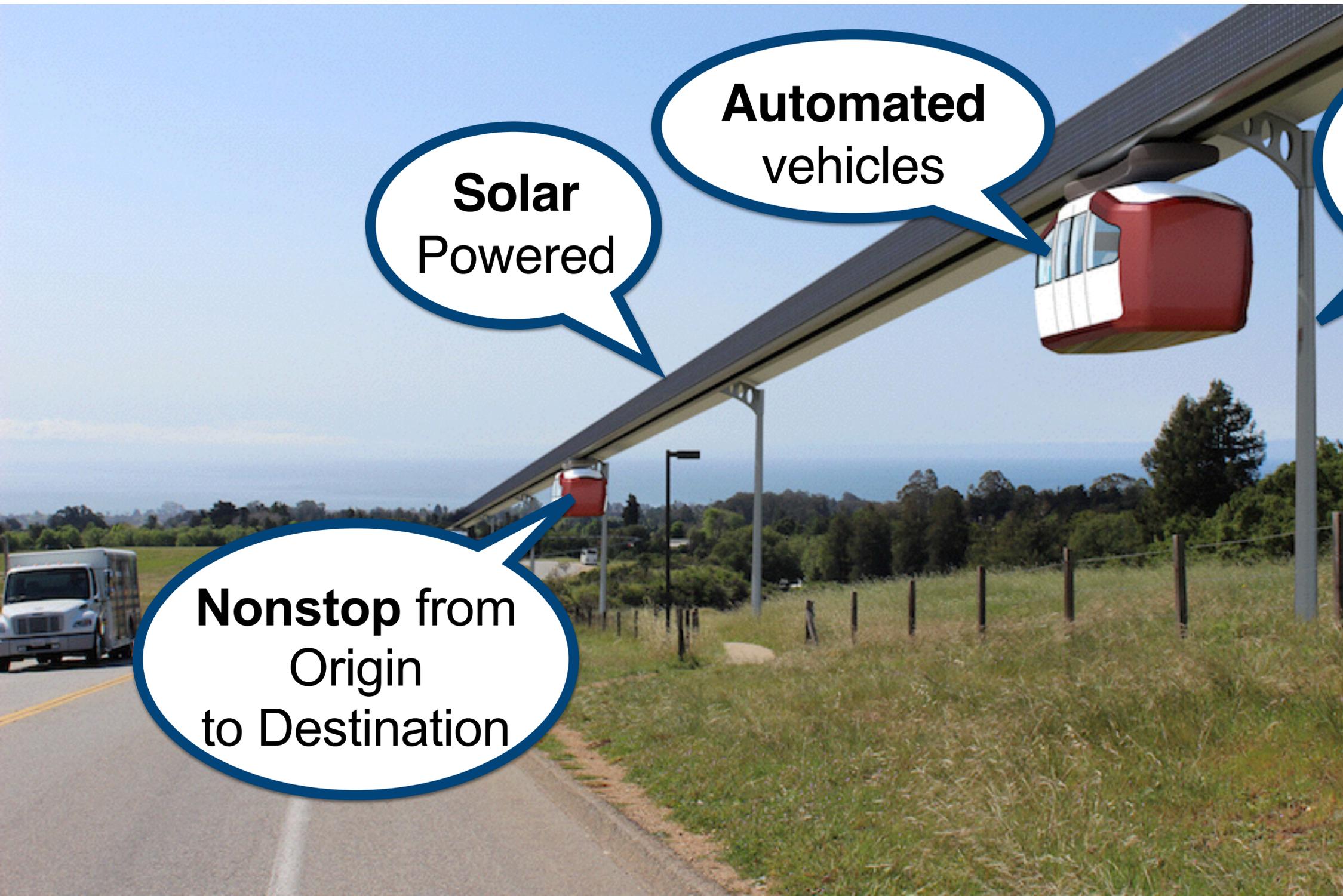
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Elevated

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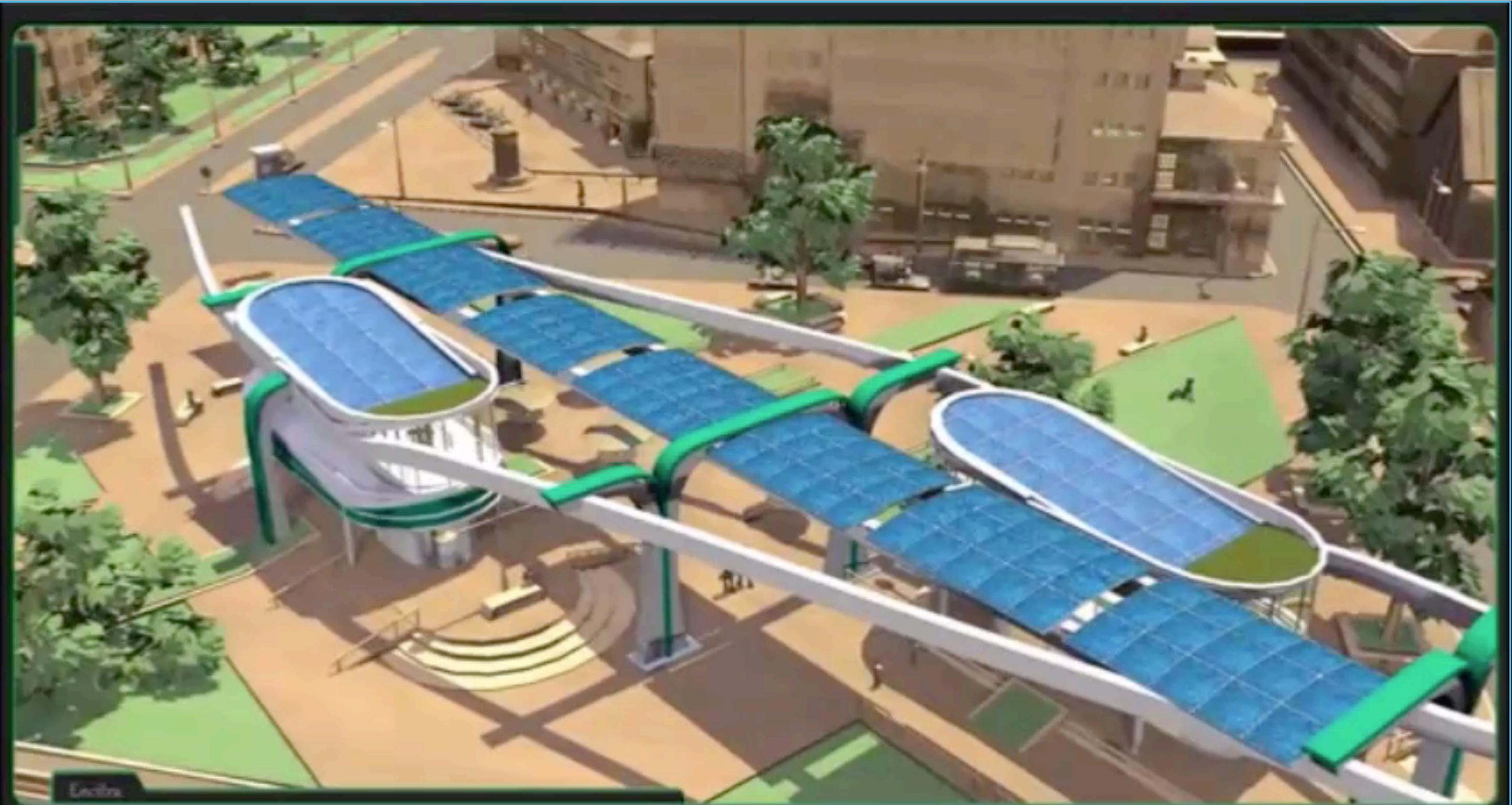
Elevated

**Nonstop from
Origin
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S A N E

SANE Transit will look something like this

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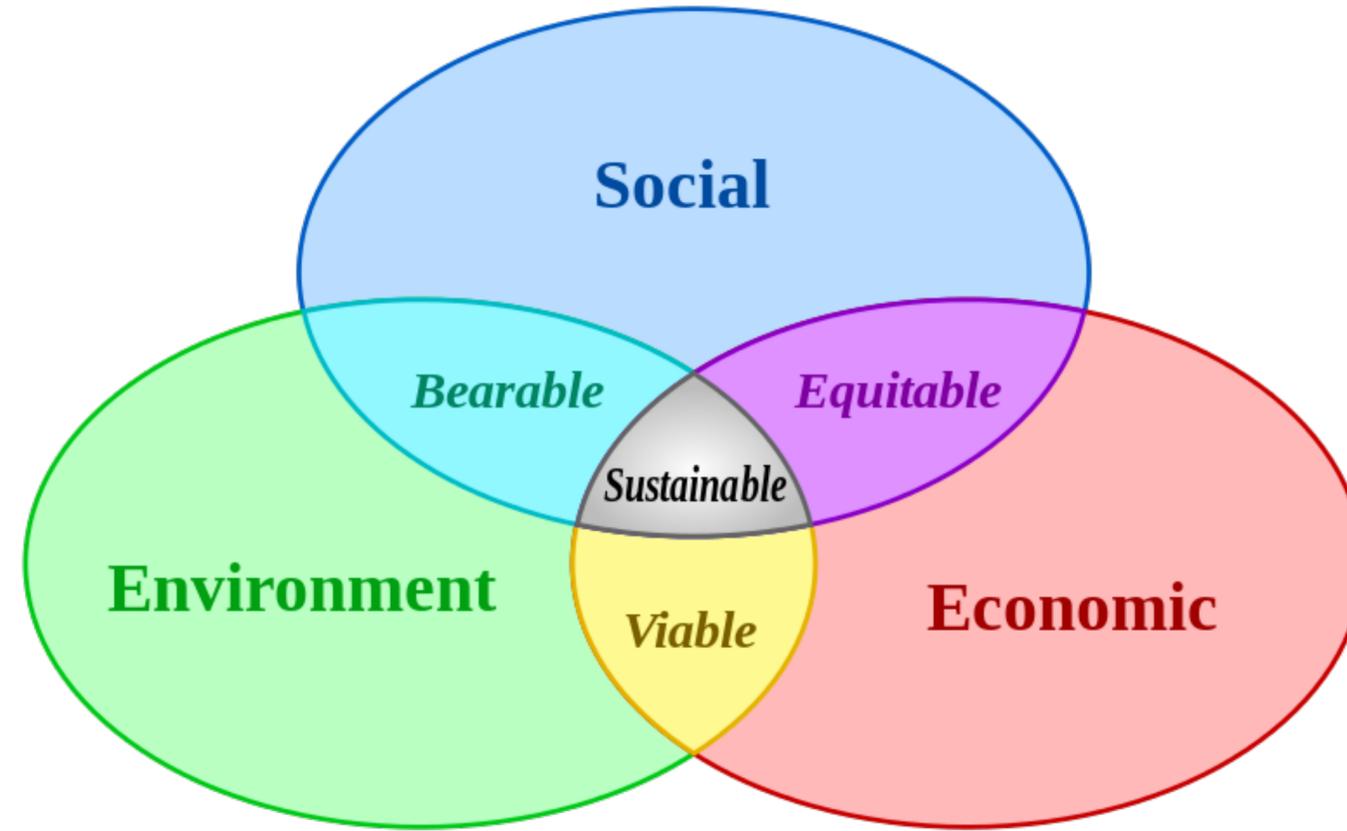


Excite

Nerds 'n Squares

Podcar Transportation System

We hear a lot about *sustainability* these days...

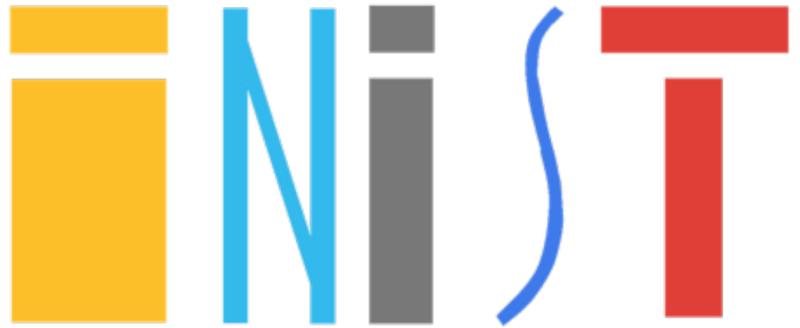
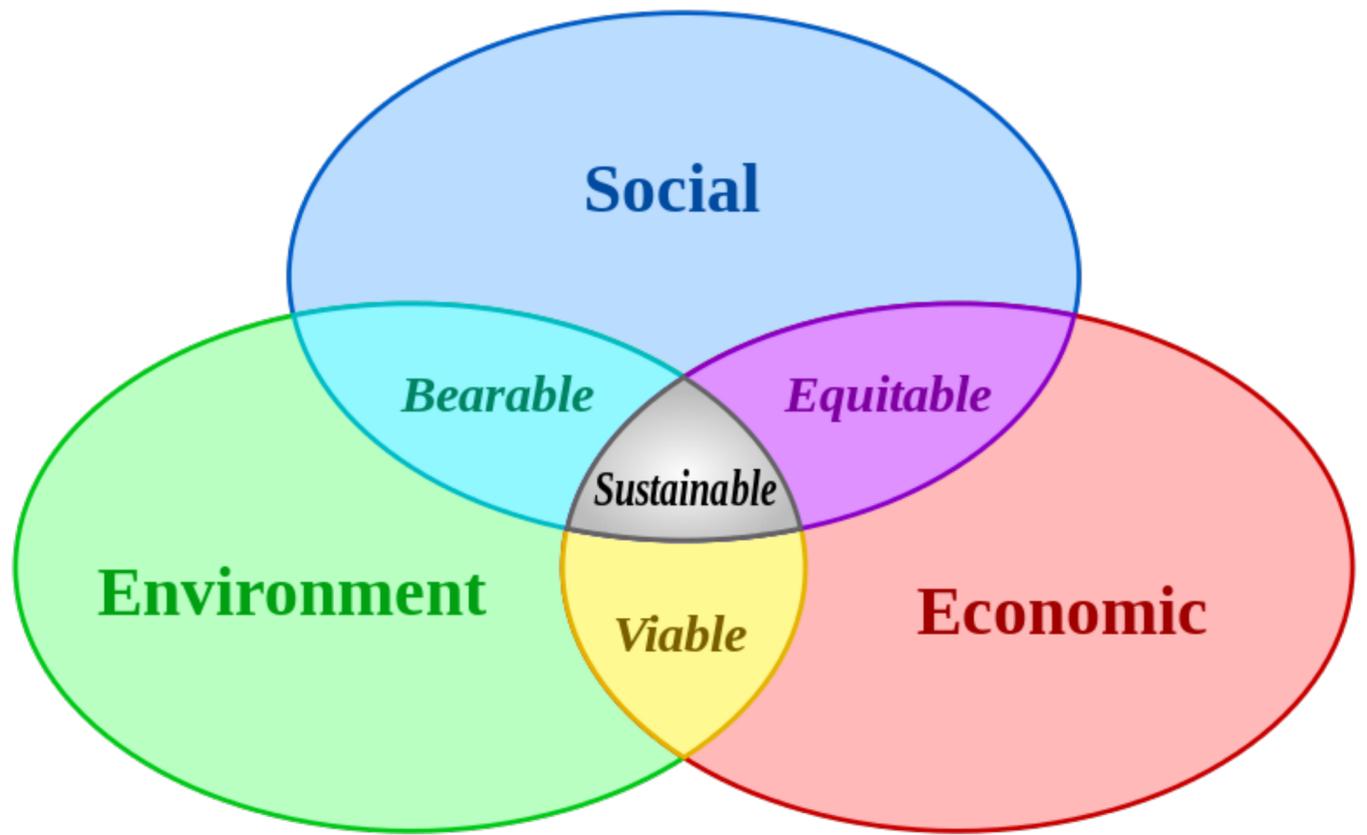


iNiST



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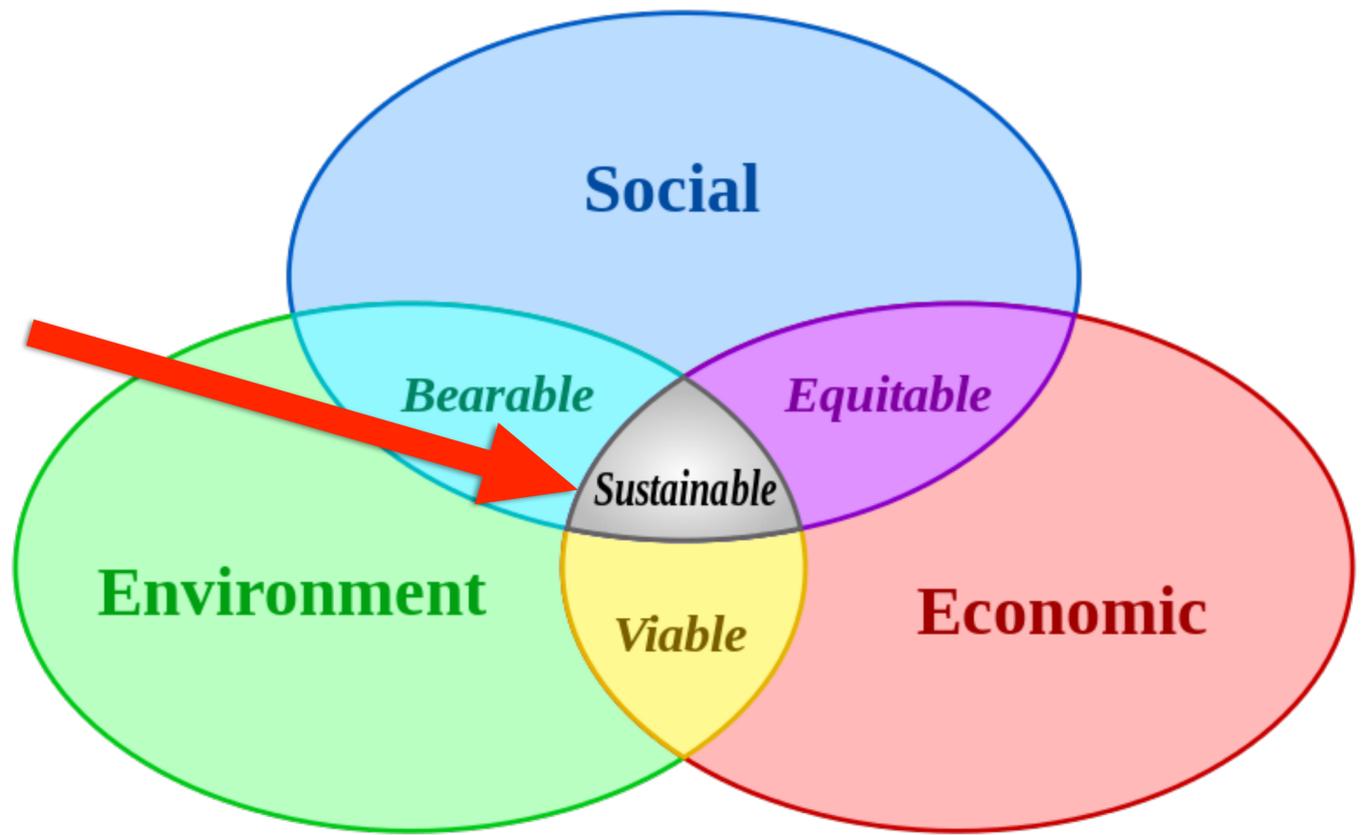
***Sustainable* is often found associated with the word...**



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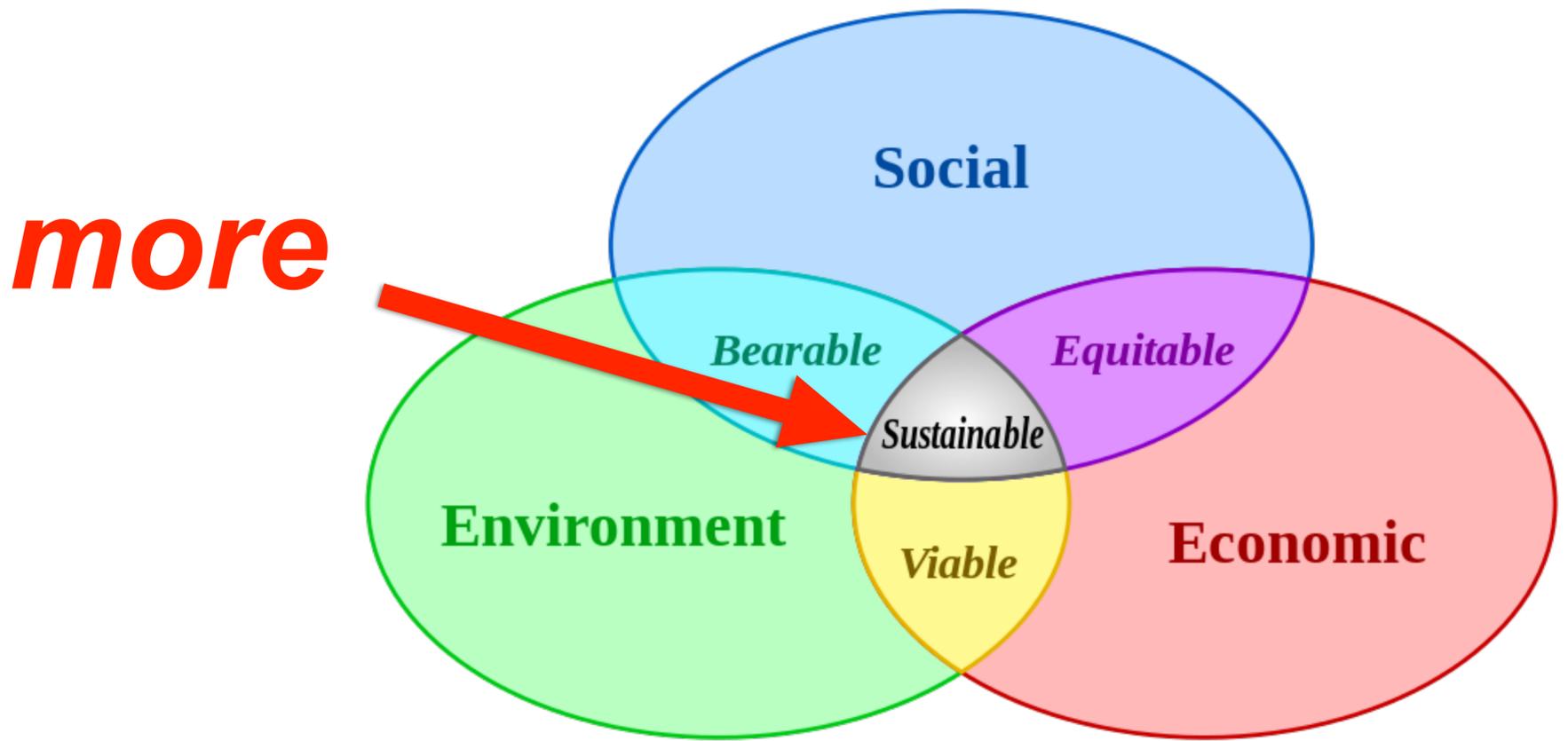
Sustainable is often found associated with the word...

more

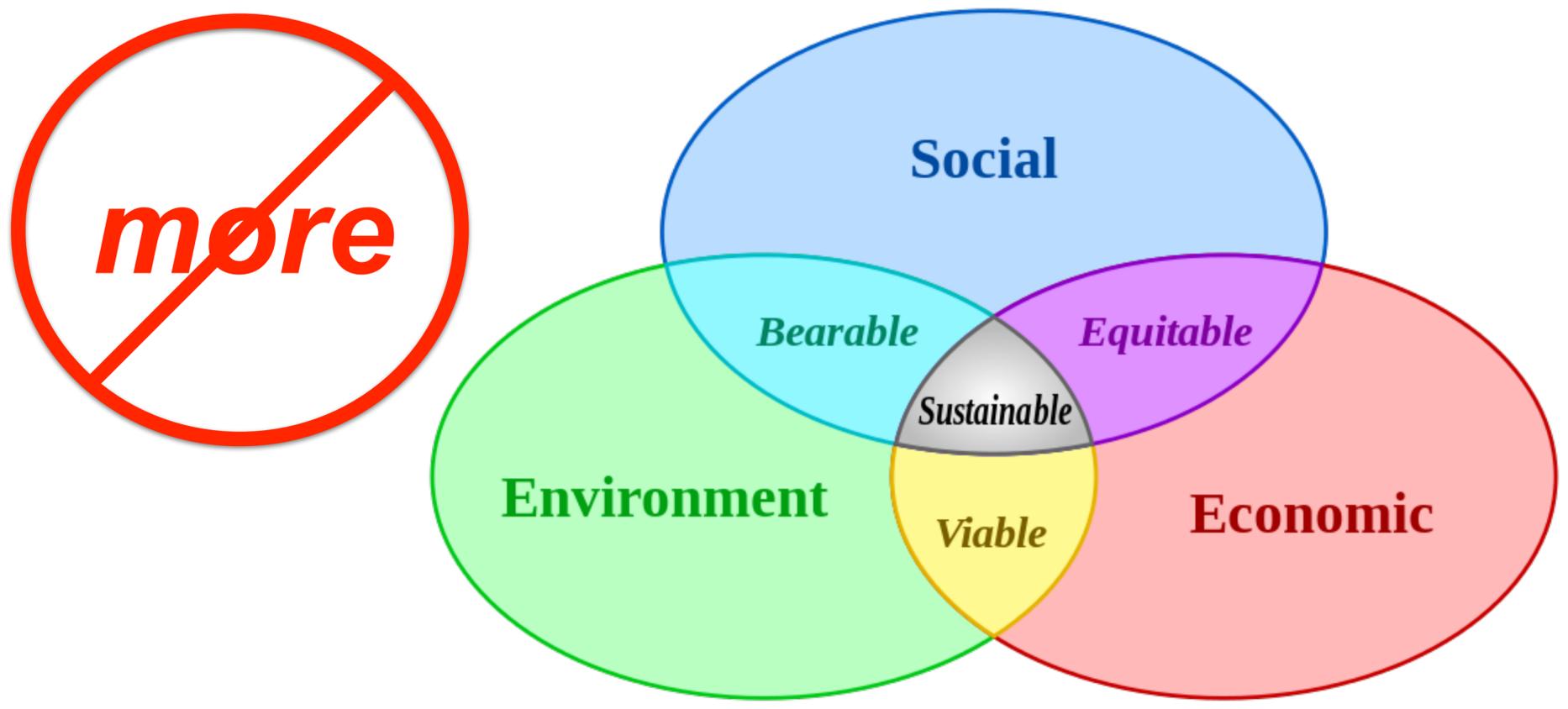


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SUPERWAY

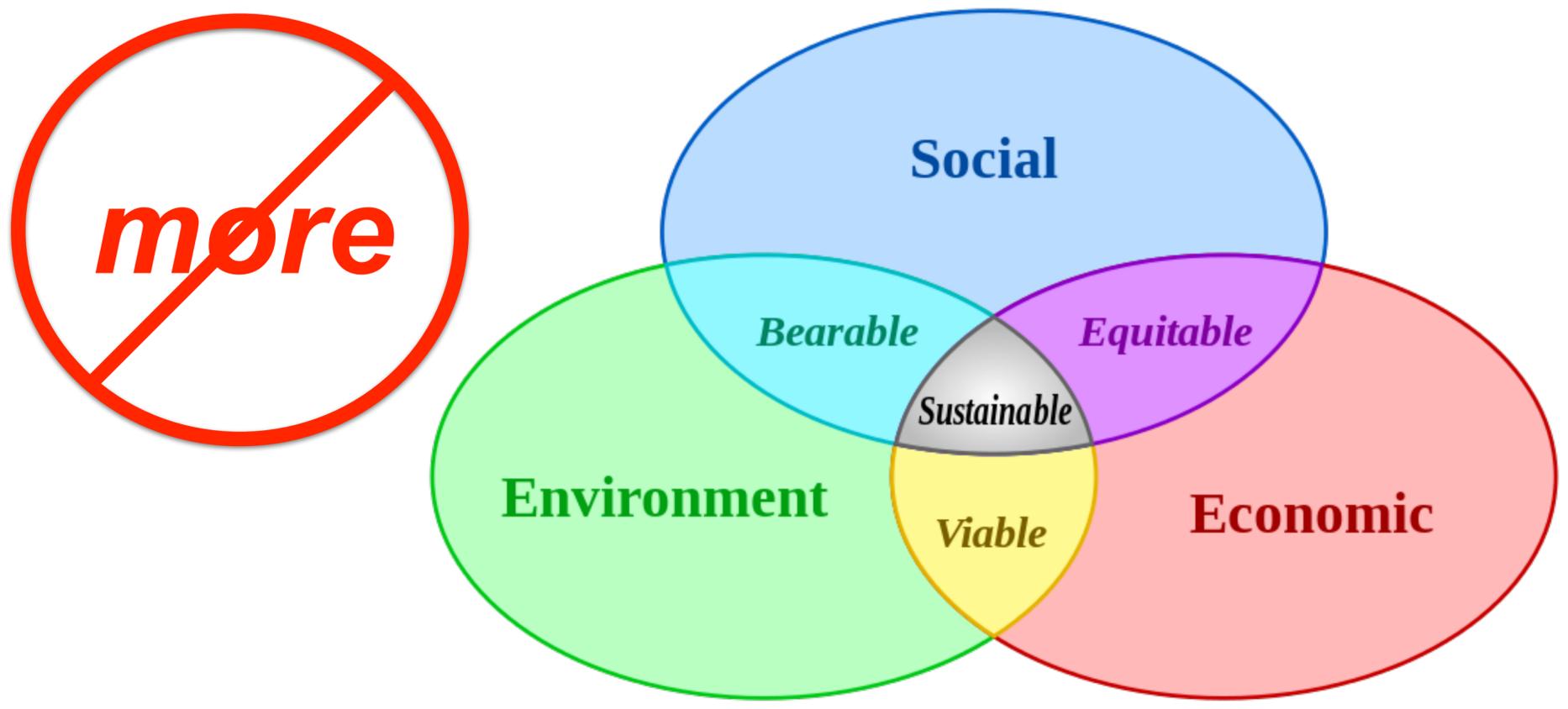
But “more” *sustainable* isn’t



But “more” *sustainable* isn't *sustainable* ...

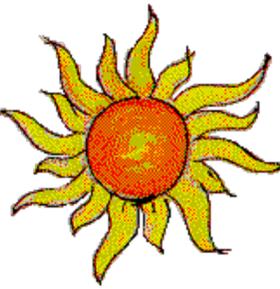
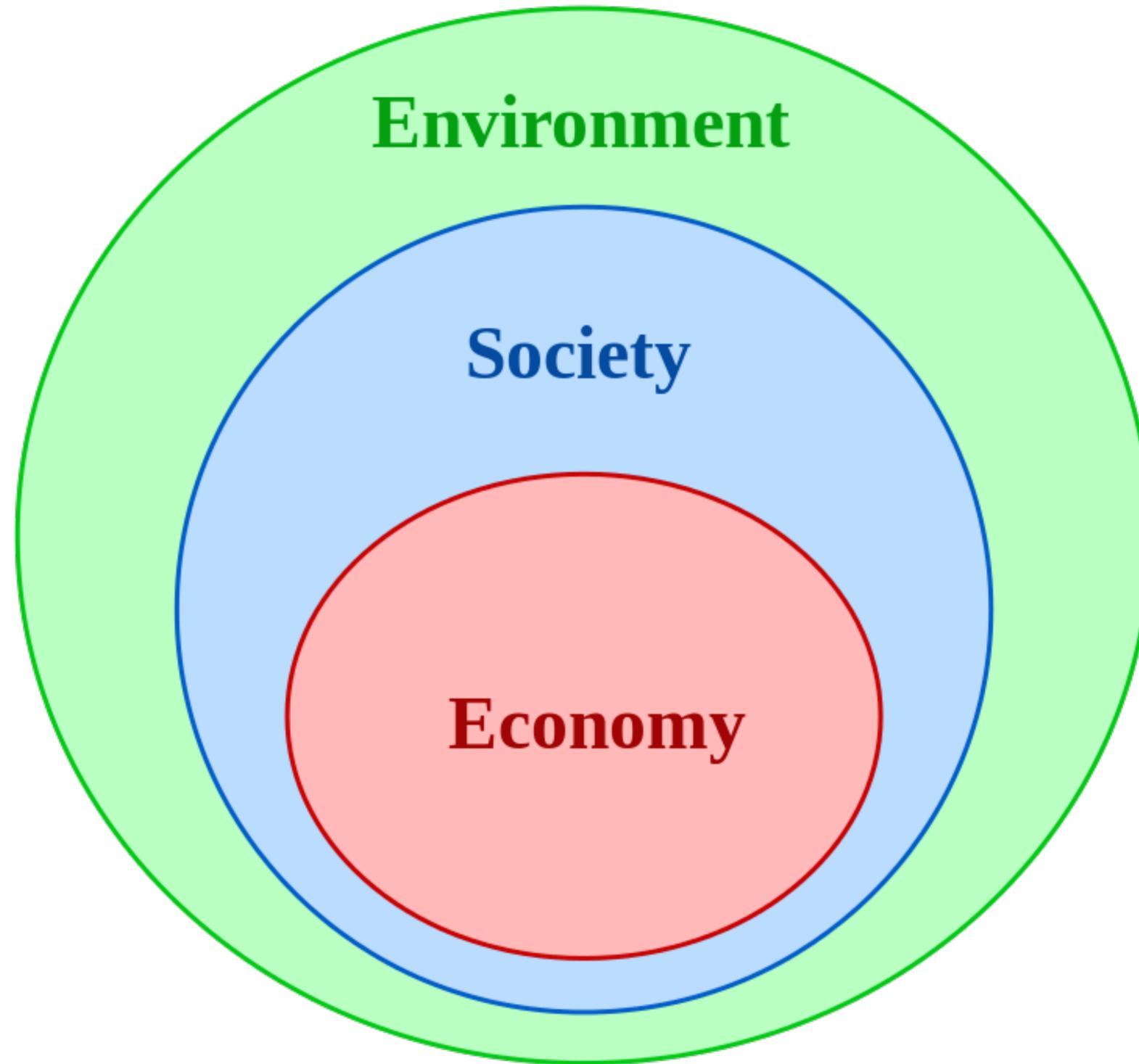


But “more” *sustainable* isn't *sustainable* ...



... is it?

The economy is a wholly owned subsidiary of the environment



**We are coordinating a three sector program
to create SANE •• Solar •• Transit Networks**

Universities



We are coordinating a three sector program to create SANE •• Solar •• Transit Networks

Universities

Cities



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We are coordinating a three sector program to create SANE •• Solar •• Transit Networks

Universities

Cities

Industry



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Universities

Cities

Industry



**SPARTAN
SUPERWAY**

We are moving forward aggressively

Universities



We are moving forward aggressively

Universities

- **Speed Test Demonstration**



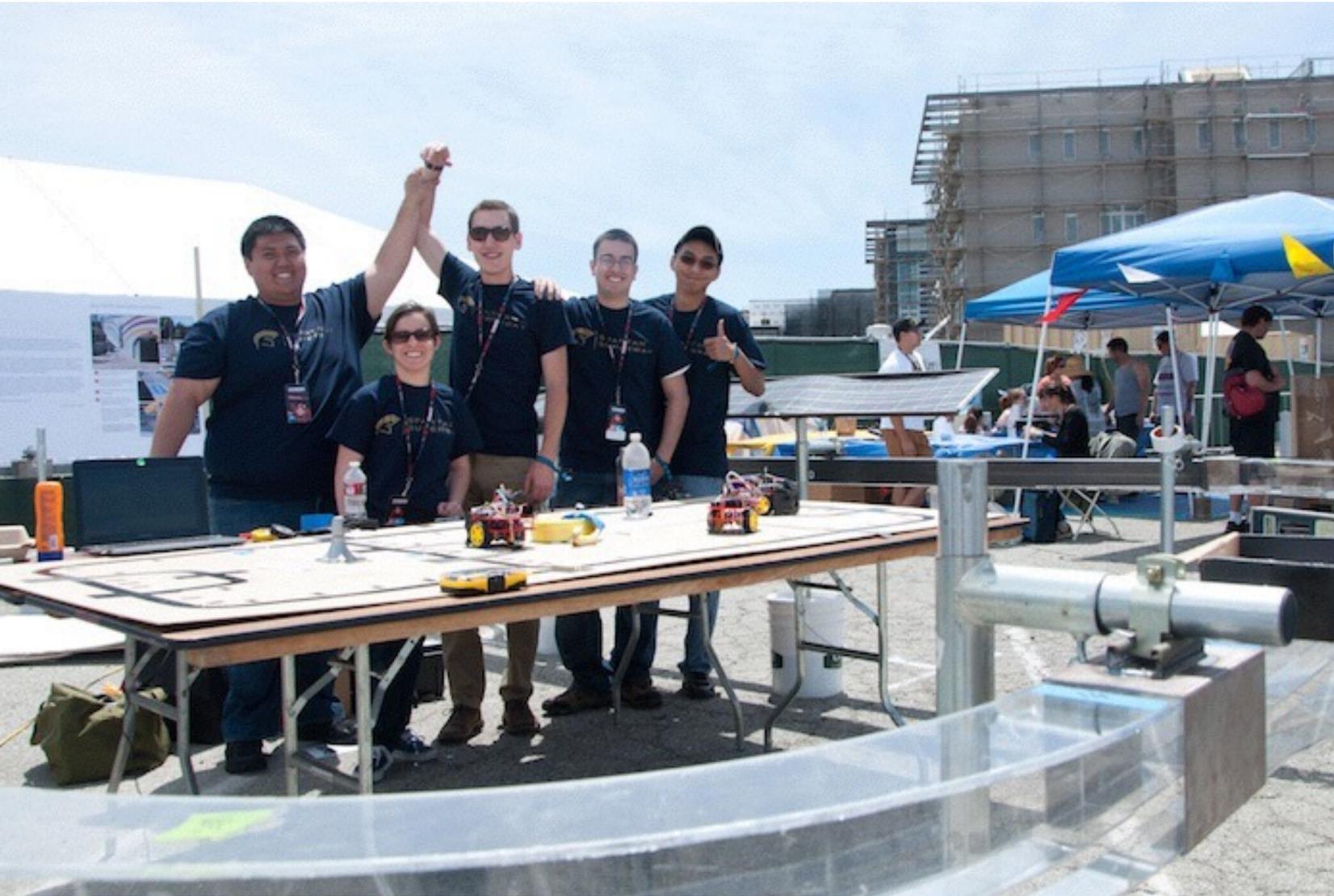
We are moving forward aggressively

Universities

- **Speed Test Demonstration**
- **Fast Track Construction**



Spartan Superway is making an impact



Now in year 4, the Spartan Superway team has expanded



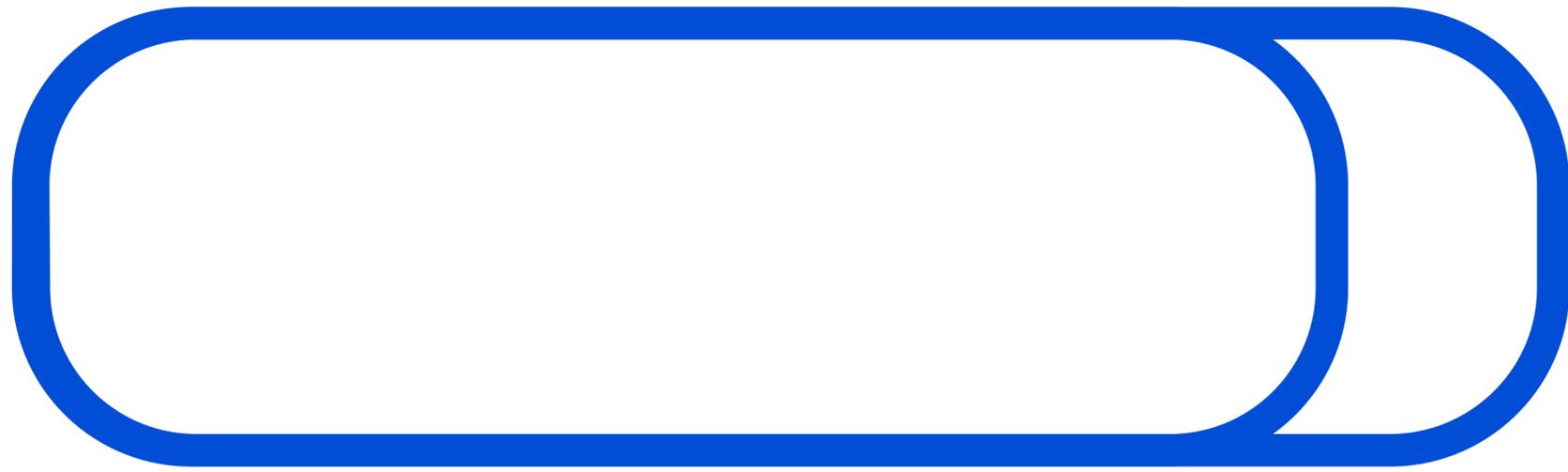
On May 2016, the Spartan Superway team returns to Maker Faire with small and half scale prototypes



On May 2016, the Spartan Superway team returns to Maker Faire with small and half scale prototypes

A colorful banner for the 11th Annual Maker Faire Bay Area. The banner features a red robot character with a white 'M' on its chest, surrounded by flags and bunting. The text on the banner includes "11th ANNUAL BAY AREA Maker Faire", "MAY 20-22 SAN MATEO EVENT CENTER", and "408/287-0246".

As we negotiate projects, we are doing a speed test



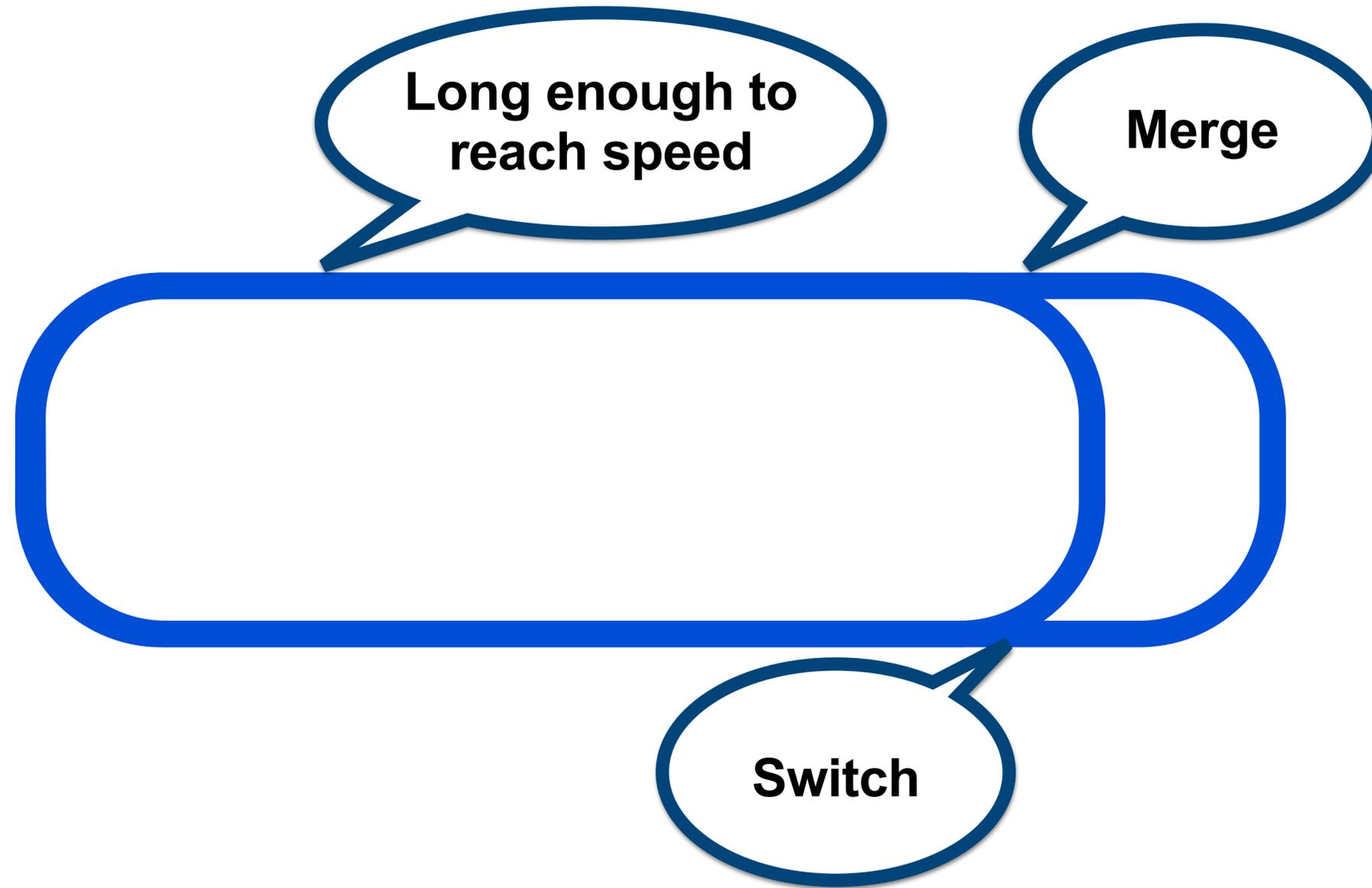
As we negotiate projects, we are doing a speed test

Long enough to
reach speed

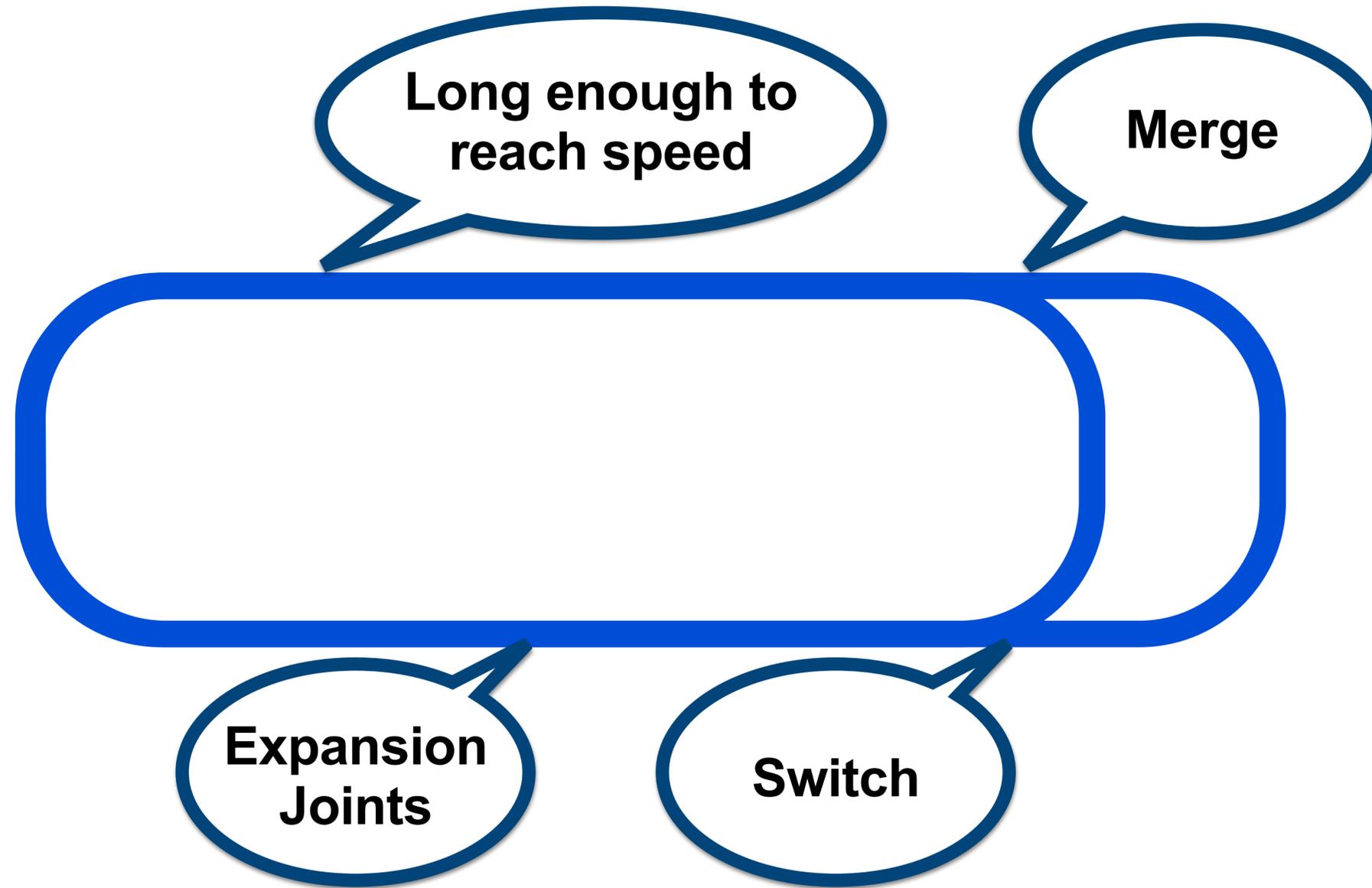


SPARTAN
SUPERWAY

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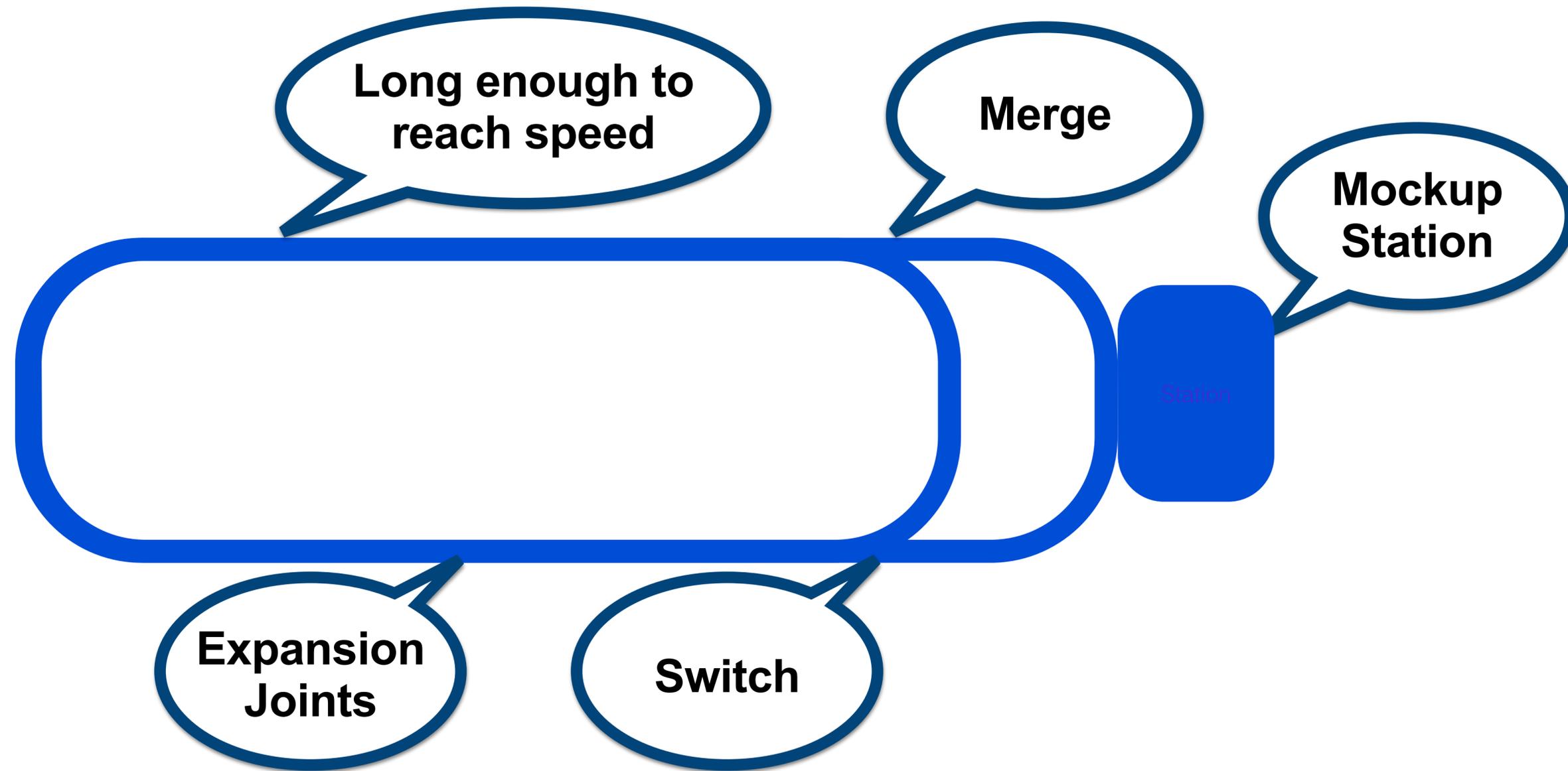


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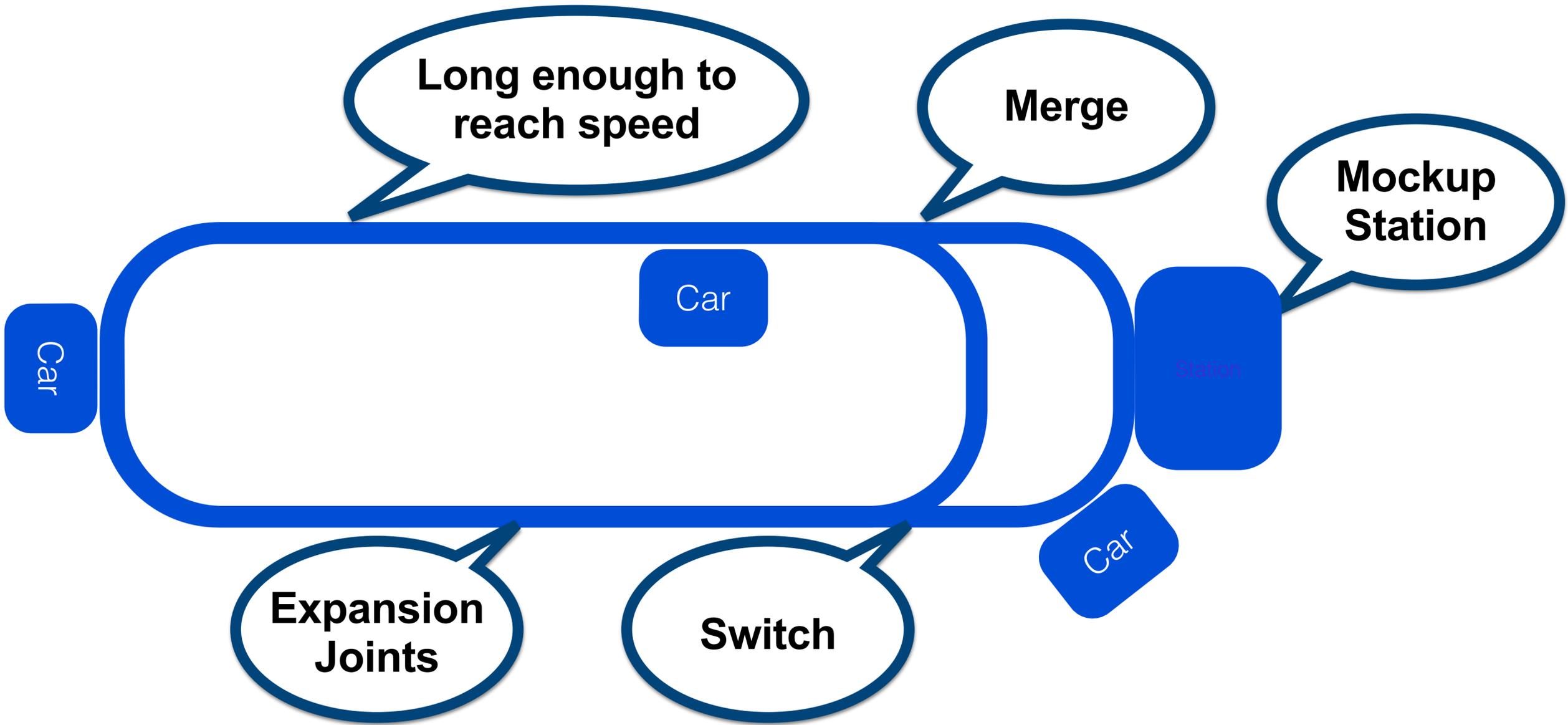
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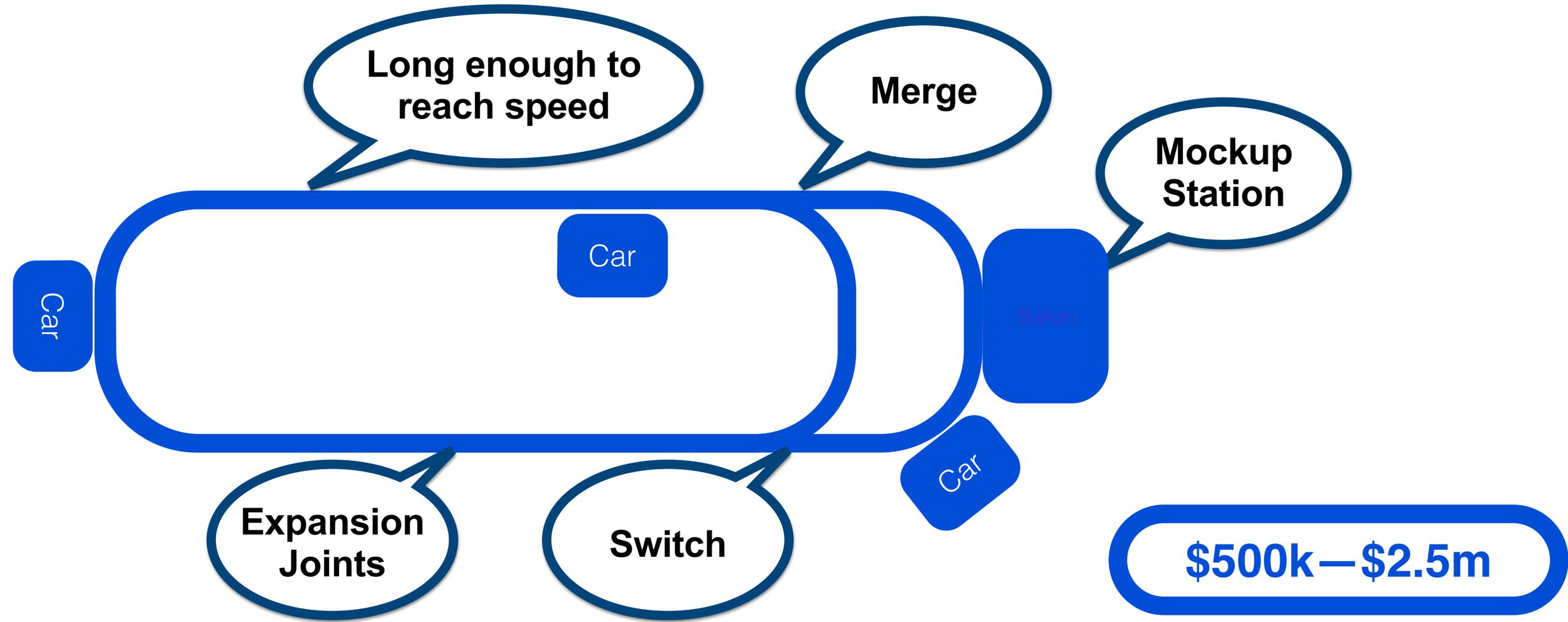
SPARTAN
SUPERWAY

As we negotiate projects, we are doing a speed test



SPARTAN
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SPARTAN
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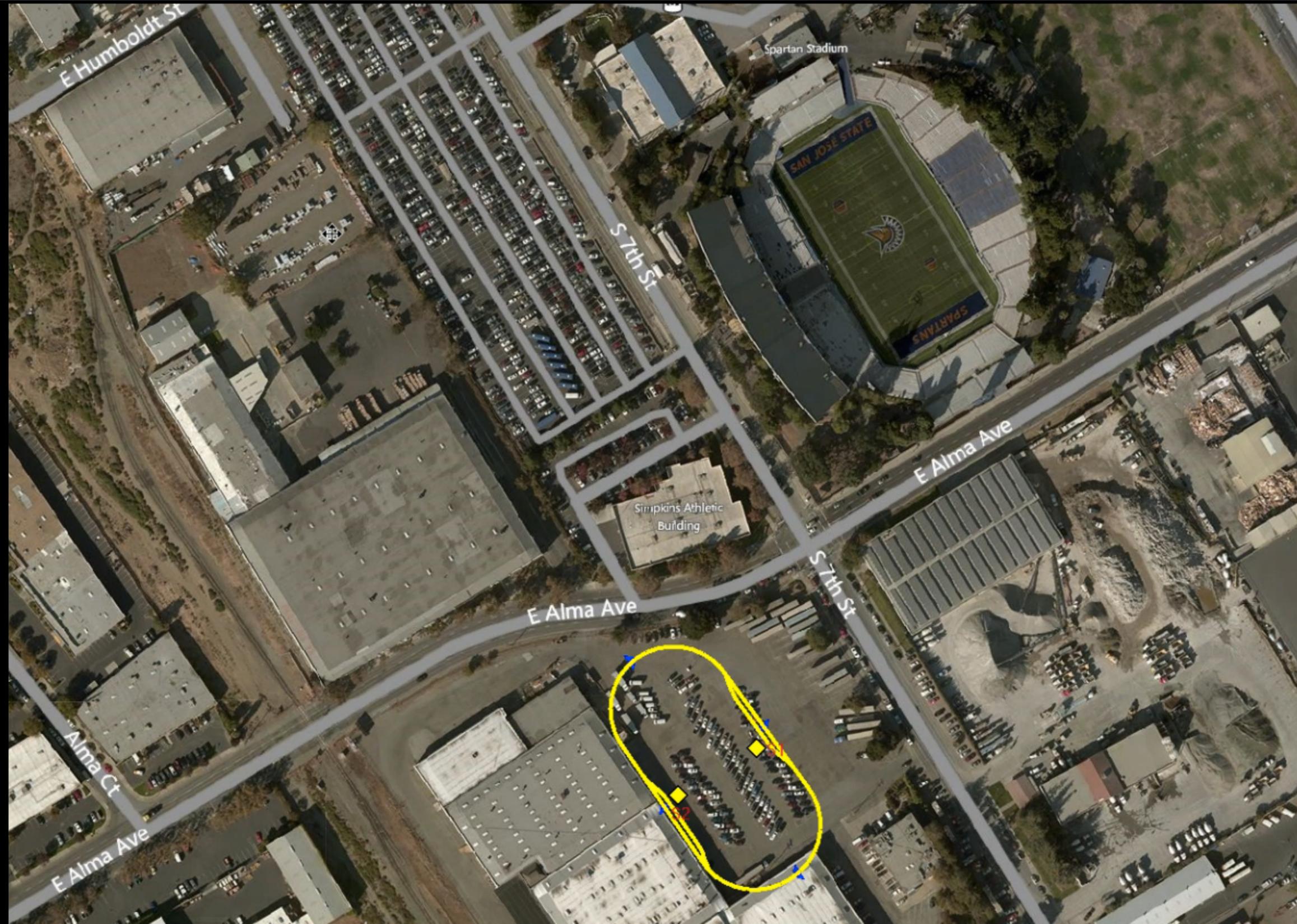
We will build on Swenson land or at South Campus



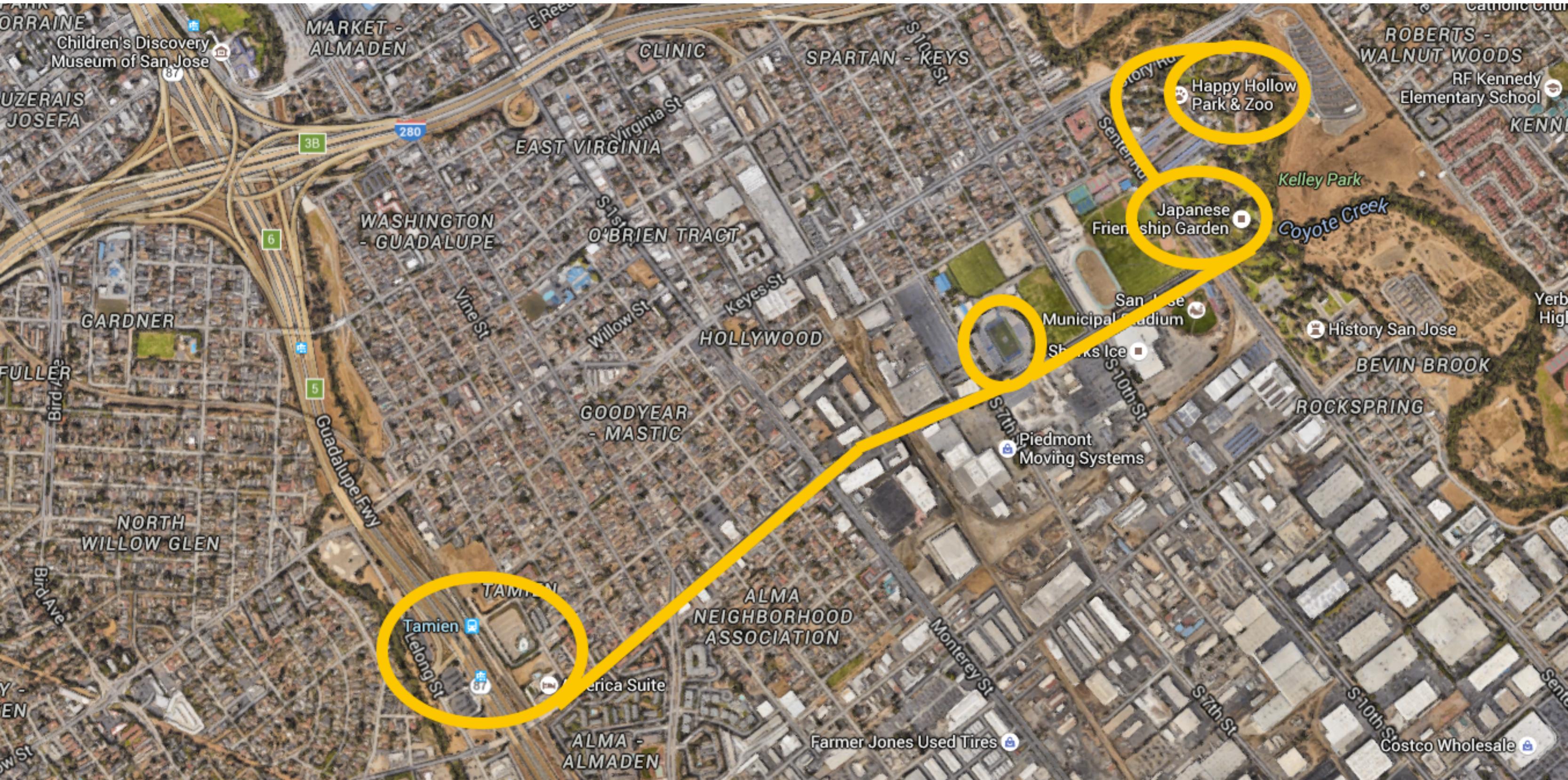
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Then we connect Tamien Station & Spartan Stadium



Working with cities, we have several project options

Universities

Cities

Industry

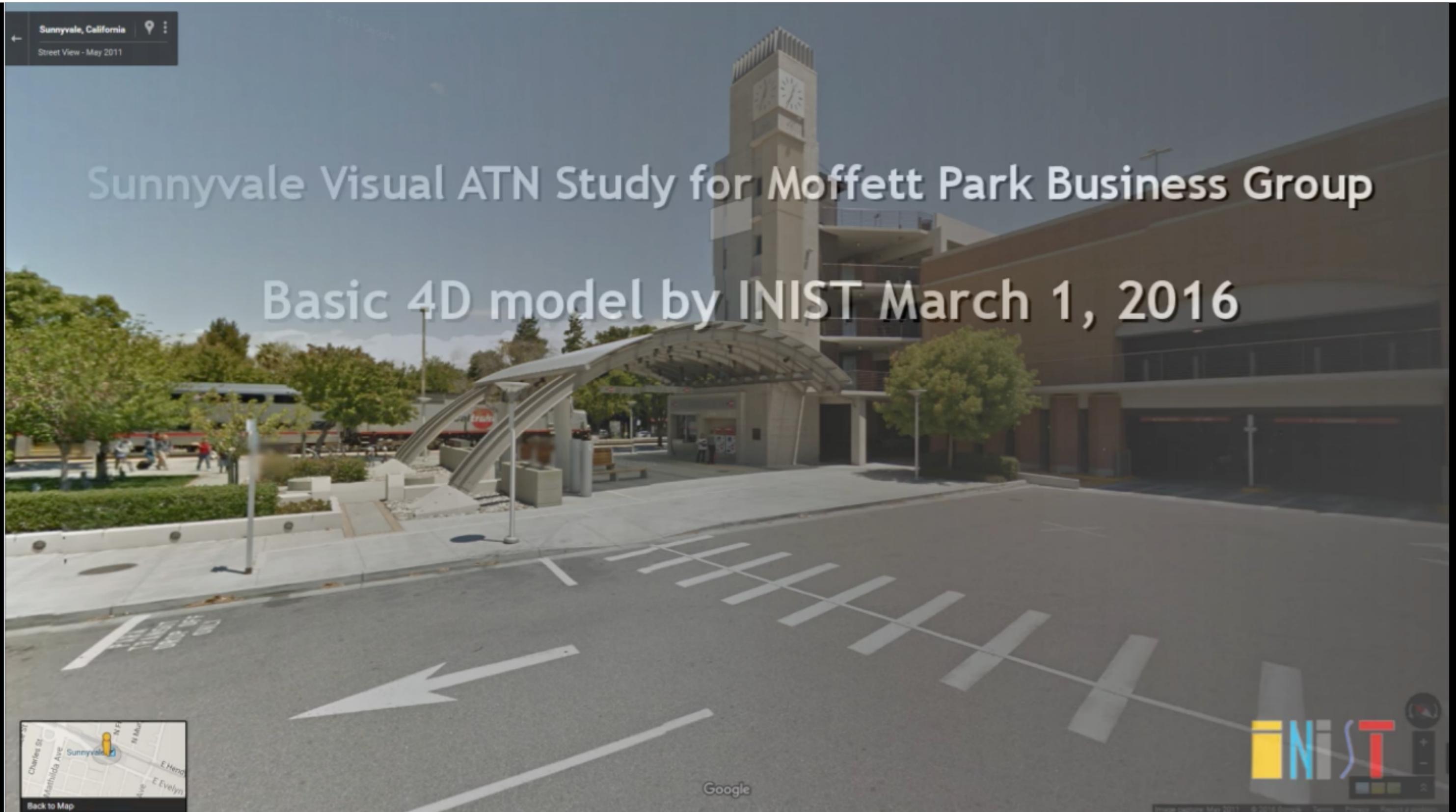


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Cities are concerned about congestion...



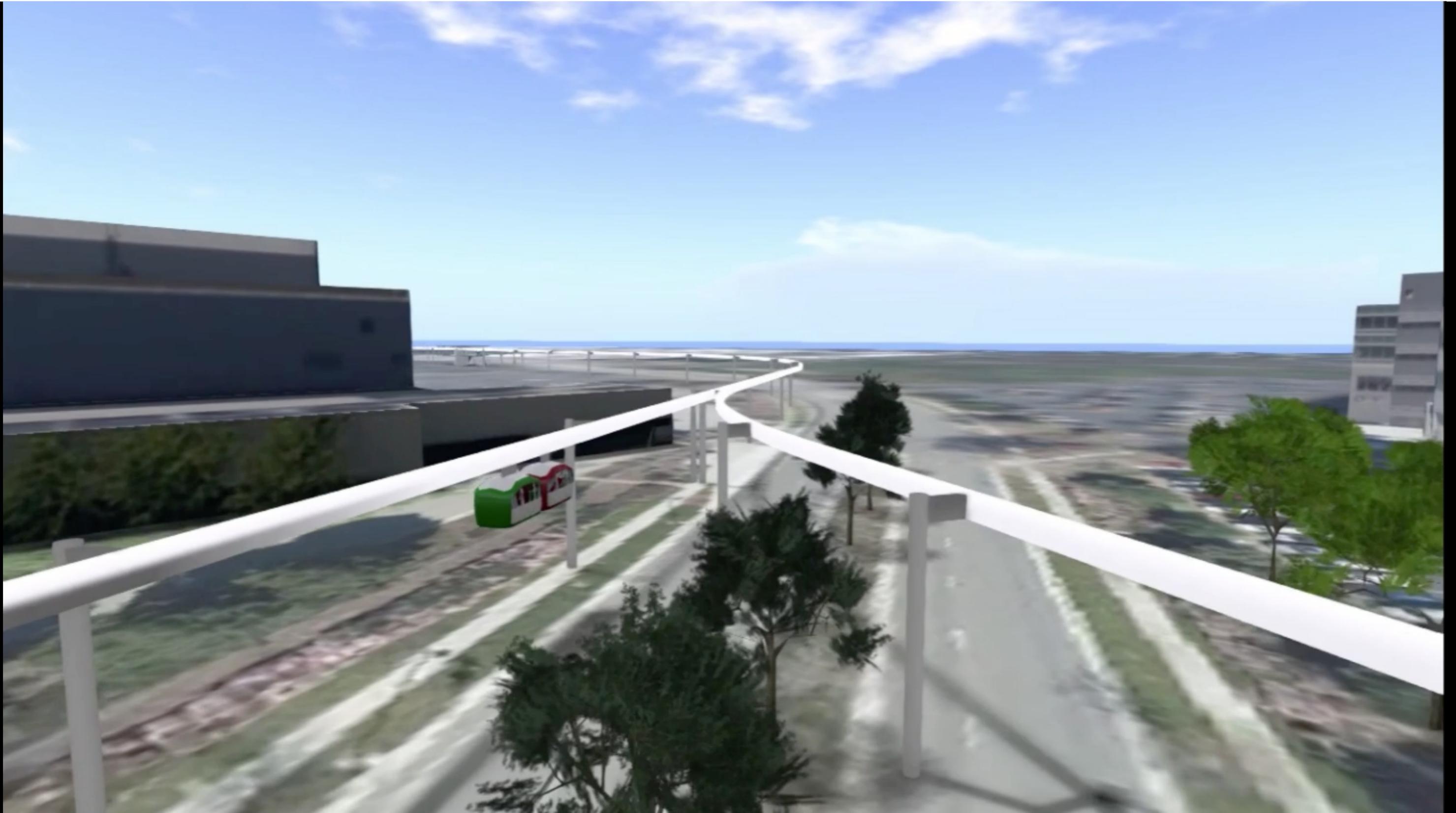
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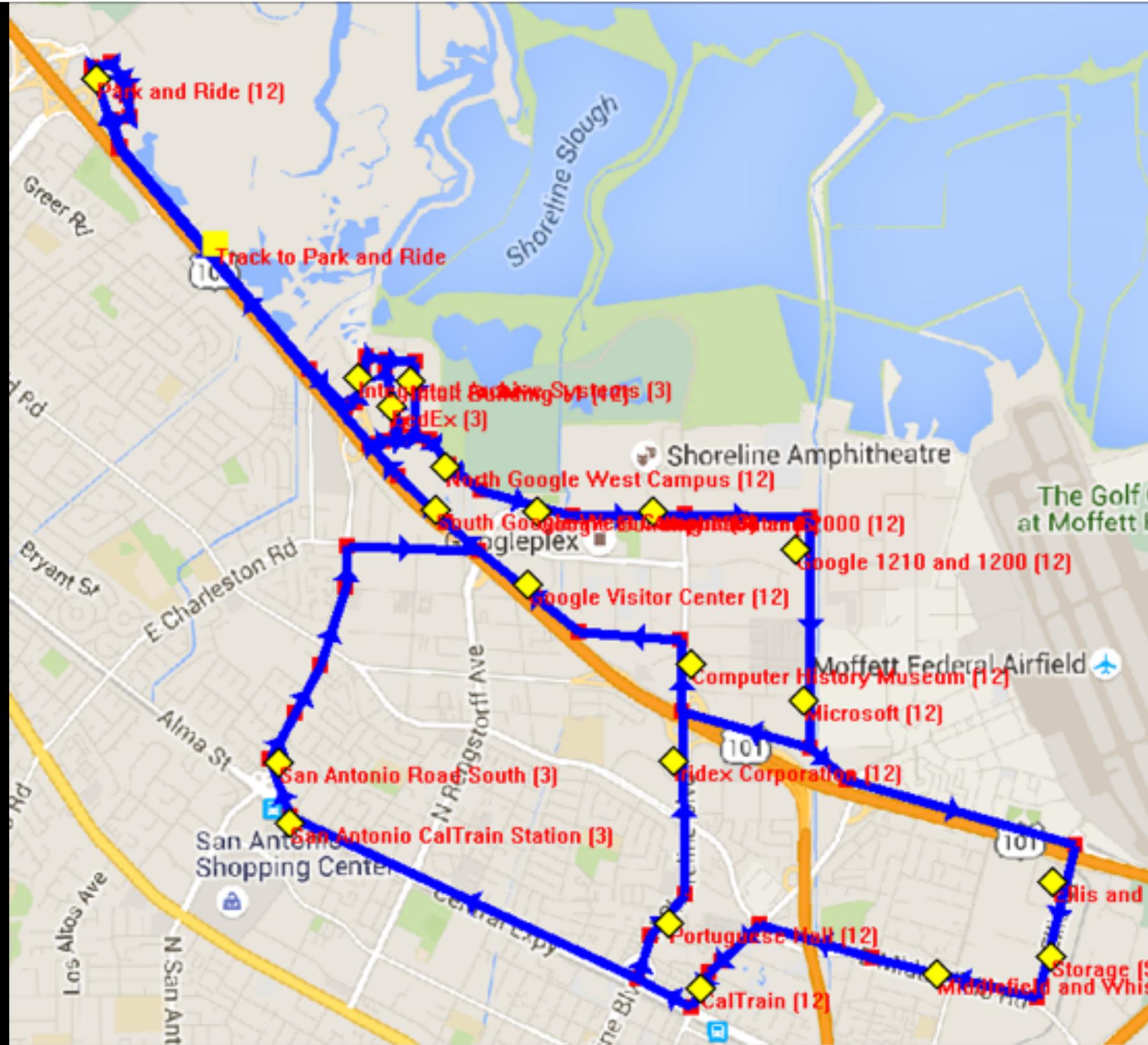
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Once such a project is ready to go, we will fast track



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**Private
Infrastructure
Financing Available**



Once such a project is ready to go, we will fast track

**Private
Infrastructure
Financing Available**

**Suppliers
Ready**



Once such a project is ready to go, we will fast track



**Private
Infrastructure
Financing Available**

**Proven Control
System
Technology**

**Suppliers
Ready**

We are developing partnerships with industry too

Universities

Cities

Industry



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We are developing partnerships with industry too



Real Estate & Entitlements



Inventor of ATN Technology



Solar Systems



4D Urban Modeling



Engineering



Vendor ATN Technology



Solar Equipment



Computer Technology



Solar Equipment



Steel Fabrication



Engineering Education



Equipment Rental



Thank you for your attention!



www.inist.org

www.podcity.org



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engineering.sjsu.edu