

Rider coaster

You are the energy

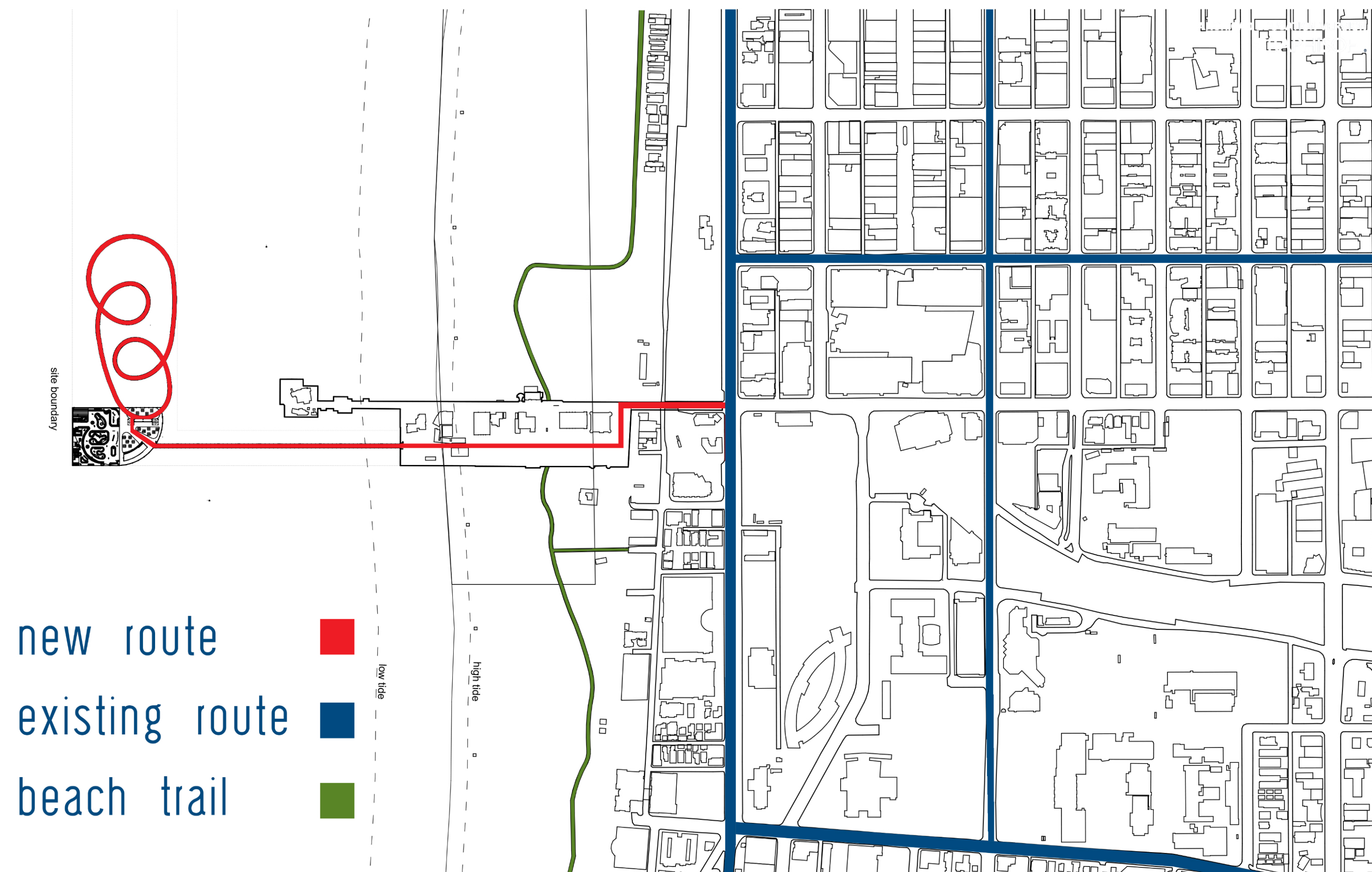


Santa Monica is one of the leaders in bicycle infrastructure.
The track will harness kinetic energy from cyclists wheels and convert it to electric energy

Crowd farming

Harvesting the energy of human movement in urban settings

The new bicycle route will connect to the existing infrastructure.



new route
existing route
beach trail

How it works



asphalt track
surface

Shock absorber
spring and leveller

Piezoelectric transducer
electrical grid connection

rubber sandwich

- 1 Series of springs and power generating cylinders
- 2 Cylinders produce electrical current when under pressure
- 3 Cyclists ride over track and compress cylinders
- 4 Current is fed into grid to lithium ion batteries
- 5 Batteries are constantly recharged by movement on track

