

“Infrastructure gets a “D” grade. Again.”

American Society of Civil Engineers, annual rating of America's infrastructure

Imagine a network of underground tunnels across America containing ultra-high-speed broadband (1,000 Mbps+), 100% clean power, pure water, and tubes moving e-commerce parcels directly to homes & businesses.

The tunnels would remove waste (sewer, recycling, compost) & larger tunnels would move people & large freight.

Welcome to Infrastructure 2.0

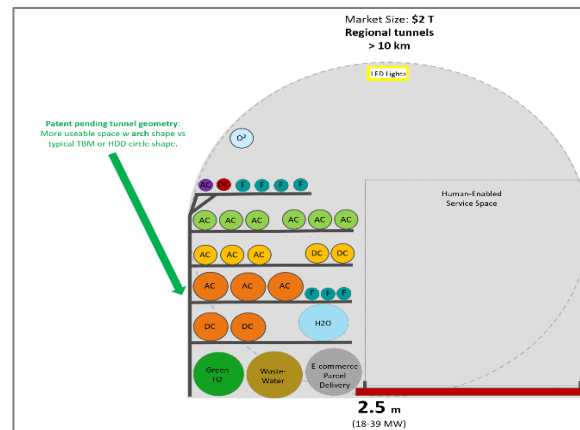
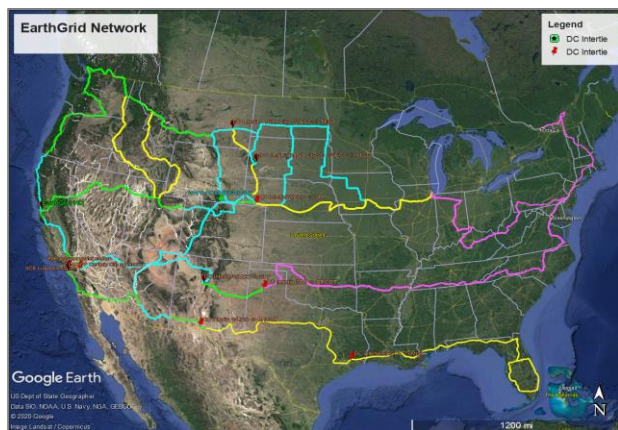


This vision was always too audacious & expensive to contemplate. Until now. EarthGrid developed, patented & tested a **plasma boring robot** to enable this underground real-estate opportunity.

Traction

1. **Rights of Way (ROW)** – obtained for guaranteed access along state & county roadways:
 - a. Approved as a **Utility** in CA, NV, ID, WY, NE, UT
 - b. 24 more state apps pending approval.
2. **2 Prototypes built & tested** over 5 years. Raising \$ to build v3 for customer projects in 2022.
3. **IP** – EarthGrid's patents published Oct 2021, with more pending + a comprehensive trade secrets library.
4. **Customers**– >90% of stakeholders eager & excited.

- a. \$5.5 Billion NPV (Net Present Value) of tunnel projects in active development.
- b. Purchase orders & contracts signed.
- c. Test project built: (4) utilities (power, fiber, water, sewer) 200m long, industrial park in Richmond, CA.
- d. In contract discussions with large utilities in CA, FL & TX.



Team

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Founder & CEO	COO & Co-Founder	CTO & Co-Founder	CTO-Tunnels	CTO-Telco & Fiber	Legal Team- FERC former Chairman	Advisor-Finance	Advisor-Grid Strategies	Legal Team- CPUC & FCC
								
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Macro Economic Trends Driving The Need For More Utility connections

Fiber / Internet:

- 5G Rollout,
- 100s of Data Centers being developed to meet cloud demand,
- Explosion of Working from Home (Covid19, etc.)

Electrification (+\$700 Billion in new electric transmission needed by 2050):

- Transportation fleet electrification (~40% increase in demand)
- Power hungry Data Centers
- Power plants: from high-cost nuclear/coal to low-cost wind/solar requires new transmission lines to serve these new resources
- Heating electrification: from furnaces to electric heat pumps, industrial process heat (from fossil fuels to electric), etc!
- Indoor Agriculture/Aquaculture (local veggies, cannabis, etc.)

Undergrounding:

- By 2050, ~85% of Americans will be in cities (no room on overhead poles)
- Permitting unsightly power lines is becoming increasingly difficult

*Bridle Group study: up to \$800 Billion in electric transmission investment needed by 2050 for transportation & heating electrification



Overhead Utility Lines are:

- Unsightly
- Unreliable
- Vulnerable to Storms, Terrorism, Vandalism, Vehicular accidents
- At risk from EMP/CME strikes, fires, earthquakes, falling trees, ice buildup
- Require Frequent Maintenance

And they ignite fires that kill people & destroy homes...

