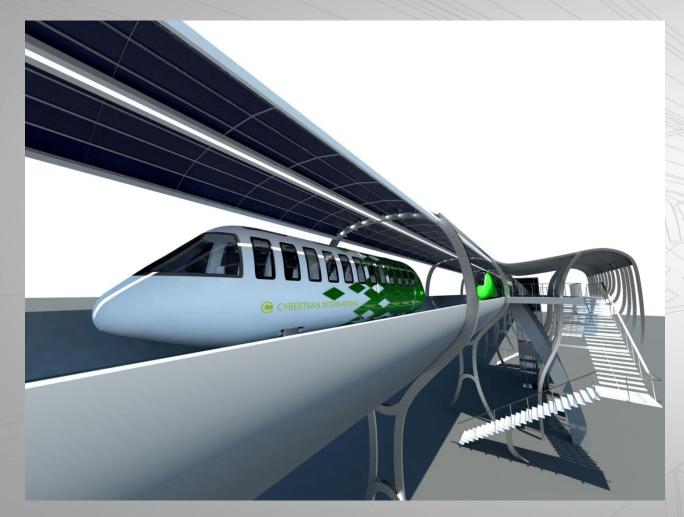
# CyberTran

- Enhancing Mobility
- Enriching Communities





http://www.ktvu.com/news/285347040-video

### The Problem



60 years

\$ Roads



### Commuting

- Investments have moved from rails to realist
- Current Commuter Rail capital expense too high
  - BRT not a long distance commuter solution
- Road lane expansion results in more traffic and gridlock
- Parking garages are higher value development property
  - Transit Fatalities and Costs from at-grade collisions
  - HQ relocations lost due to no fast commuter transit



### The Problem



60 years

\$ Roads



### **Events and Growth**

- Current Technology Light Rail capital expense too high
  - Light Rail Transit Fare Box does not recover costs
- More road lanes results in more traffic and more gridlock
  - Major conferences lost due to no fast public transit



### The Solution

**Smart Growth** 

Reinvestment in walkable urban centers served by commuter rail transit and complimented by shorter

distance bus rapid transit



Investment dollars moving back to cities and Transit Oriented Development



# Transit Catalyzes Smart Growth



**BUT...** Conventional Transit systems are too Costly



### Moves In

resolves the problem of high transit system cost and financing by being inexpensive to build and maintain







### How Does CyberTran Do This?

1. Cyber Fran is the worlds first on demand transit system



Convenient as a car
"Transportation Internet" patent —
same vehicle low, medium and high
speed on-demand network

2. CyberTran pairs independent vehicles with offline stations



Faster than conventional transit

- Vehicles can loop around to opposite direction
- Vehicles load-unload off main track

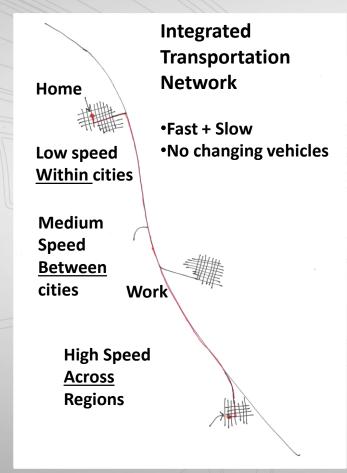
3. vehicles and track structures are lightweight



Lightweight civil structures

- Affordable for local construction
- Less environmental impact
- Prefabricated offsite

4. CyberTran is worlds first integrated transit network providing both low, medium high speed service



CyberTran IS a last mile solution



# Cost Comparison

System	Туре	Construction Complete	<b>Gross Cost</b>	Track miles	Cost / Mile
CyberTran example	ULRT	Future	\$330M	11	\$30M
EBART	Diesel Multiple Unit	Future	\$1.3B	21	\$61M
SFO Air Train	Airport Circulator	2003	\$430M	6	\$71M
Nanjing Metro	Light Rail	2005	\$1B	13.5	\$74M
Shenzhen Metro	Light Rail	2004	\$1.5B	13.5	\$115M
LA Gold Line	Light Rail	Future	\$899M	6	\$150M
OAC	Gondola	Future	\$469M	3.1	\$151M
Linimo	Low-speed Maglev	2005	\$955M	5.5	\$174M
Las Vegas Monorail	Monorail	2005	\$730M	4	\$182M
JFK AirTrain	Airport Circulator	2003	\$1.9B	8.1	\$234M
BART to Livermore	BART	Future	\$3.8B	11	\$345M
BART to San Jose	BART	Future	\$7.6B	16.7	\$383M



# **BART CyberTran Comparison**

	BART	CyberTran	
Capital Cost	\$240M/mile	\$30M/mile	
Operating Subsidy	40%	0%	
Transit Oriented Development	Difficult in middle of freeway	Very Easy on Spurs	
Flexibility	None	Easy	
Expandable	Very Difficult	Easy	
Capacity	17k PPHPD	17k PPHPD	
Time to Build	Slow	Fast	
Operating Noise	Loud	Quiet	
Energy Use	9.2MW – 8 car train, 50 passengers each	3MW – 20 cars, 20 passengers each	

# A Company was Created to Manifest this Breakthrough Technology

# CyberTran International Inc.



Dexter Vizinau President



Neil Sinclair Chairman



Francis Lo
Director of Engineering



Todd Jersey Director of Architecture



Marc Gottschalk
Clean Tech
Attorney



Harry Burt Senior Advisor



David Rummler Strategy Advisor

# Partnerships have been Developed to Support this Initiative

































Changing lives, block by block



## The Market: Existing & Potential

#### **Existing Markets:**

• Low, medium and high speed (3 markets)

#### Potential Markets:

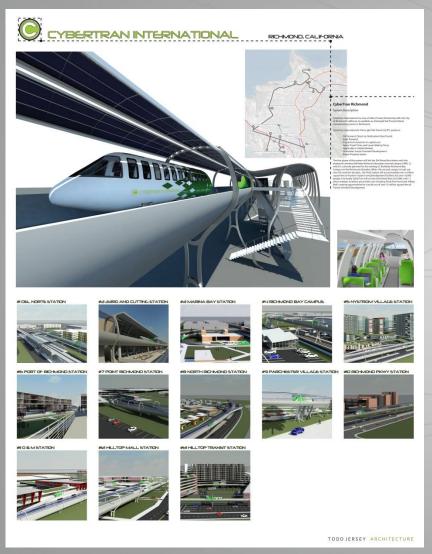
- Master developers need transit
- Transit creates 2x in value of real estate projects
  - Unlimited global market for affordable transit





# **Existing Orders - Domestic**

### 1. City of Richmond, CA









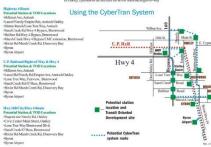
#### **US DOT Infrastructure Package**

#### CTI UCB "Global Identity Project" - Transit Innovation

- 1. **Description:** CTI deployment of Ultra Light Rail Transit (ULRT) System first developed by D.O.E. Idaho National Laboratory. A cost effective mass transit rail technology which runs on solar and potentially less costly to build and potentially recovers operating and maintenance expenses from the fare box. Manufacturing of American made transit systems for a global market designed to greatly reduce traffic congestion globally. Ten cities, three counties, one project!
- Authority: CyberTran International, Inc. University of California Berkeley
- 3. Cost: \$2.06B
- 4. Jobs: 8196 Direct Jobs
- 5. Status:
  - 5.1. Engineering Near Full Scale Deployment
  - 5.2. Permitting In Progress
  - 5.3. Funding In Progress



#### East Contra Costa ULRT Line Using the Highway 4, Highway 4 Bypass and/or the Osion Pacific Railroad Right of Way













# **Existing Orders - International**

### City of Zhoushan, China









### Revenue Model CTI

- 1. Design and manufacturing of systems
- Licensing local construction companies for installation
- 3. Operations and maintenance contracts
- 4. Station specific real estate
- 5. Licensing intellectual property
- 6. Solar energy development
- 7. Data Transmission Lines (Fiber Optic)
- 7. Graphical Interface License Vehicle Advertising (Revenue Capture System)







# Licensing - Graphical Interface (Revenue Capture System)





## Timing is Perfect for Investment

- Environmental sustainability driving public policy towards incentives for T.O.D.
- Millennials want to live in cities
- Investment in cities continues to trend up
- CyberTran is an obvious and easy choice as a value add proposition for cities and developers
- In 2018-19 Federal Infrastructure Budget going through Congress at \$2.06B
- Cincinnati USA Regional Chamber unveiled The Connected Region -NKY Tribune Mar 24th, 2018







## Why Systems and Manufacturing in KY?

- Low cost public transit needed within and between urban area bottlenecks
  - 1. Covington Cincinnati
  - Louisville Frankfort -Lexington
- Automobile manufacturing industry
  - Ford and Toyota
  - United Technologies
- Aluminum manufacturing industry
  - Constellium UACJ
  - Brady Industries
- UPS World Port
  - Logistics inbound, outbound
  - Vehicle transport
- Ohio River Barge Lines
  - Vehicle transport



