

# AutoTruckBot.com

-The Google Autonomous Car of Semi Trucks-

Jamie Bass CISSP-ISSEP

CEO GRAVICOM LLC.

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[Jamie.Bass@gravicom.us](mailto:Jamie.Bass@gravicom.us)

812-233-4131

# Who is Jamie Bass

Jamie Bass is founder and CEO of GRAVICOM LLC, a Cyber Security and Engineering company.

- Jamie has over 13 years of experience in Cyber operations with the United States Navy and Marine Corps. He has an extensive background in cyber security, information assurance, **ROBOTICS, AUTOMATION**, plastics, **SYSTEMS INTEGRATION, AND SYSTEMS ENGINEERING**.
  - QUALIFICATIONS:
    - Senior Systems Engineer on two Navy Programs
    - 1 of 800 CISSP-ISSEPs worldwide (Systems Engineering Certification)
    - 1 of 600 Fully Qualified Navy Certification Agents (Navy Validators) worldwide
    - 1 of 96 USMC Validators worldwide
    - **Currently hold (5) patents**
    - AAS in Robotics / Computer Integrated Manufacturing (CIM)
  - CERTIFICATIONS:
    - (ISC)2 - Information Systems Security Engineer (ISSE), CISSP-ISSEP
    - Microsoft – Microsoft Certified Professional (MCP)
    - CompTIA - A+ and Network +,
    - Army IASO, Navy Validator, USMC Validator
    - Committee on National Security Systems (CNSS) - CNSS 4012, CNSS 4015, and CNSS 4016 Certified Risk Analyst
    - *EC Council - Working on Certified Ethical Hacker (CEH)*
  - LinkedIn Profile - [www.linkedin.com/in/jamiebass2/](http://www.linkedin.com/in/jamiebass2/)

# What's the problem?

- Shipping is expensive
- The trucking industry is complex and dis-jointed
- People (Truckers) introduce uncertainty
- Semis produce lots of pollution

# Value Proposition

- Fully automated robotic trucks will navigate the United States interstate system, and pull into “Connection Centers”, where semi trailers will be exchanged and where “last mile” semi drivers will be picking up the trailers for final local delivery.
- Connection Centers will be located at major interstate intersections.
  - 24/7/365 operations – Removes the human variable
  - Lowest cost shipping provider - based on high volume, known costs, and reduced uncertainty & variables.
  - One stop shipping solutions for customers

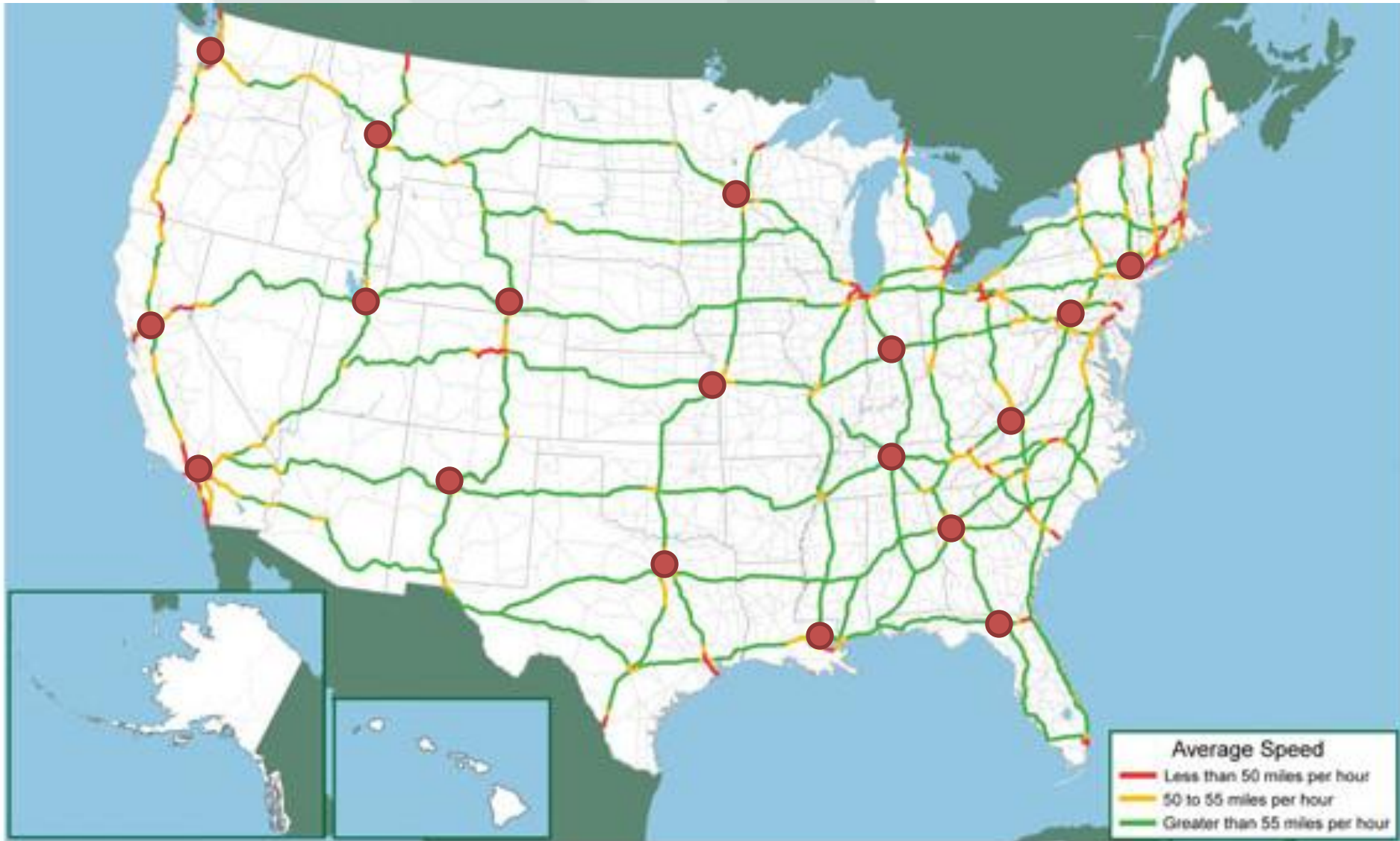
# The Plan

1. Create automated trucking connection centers at major interstate exchanges
2. Advertise low cost shipping routes between connection centers
3. Contract with local carriers to do the last hundred miles

## NOTES:

- Local carriers are partners, not competition!
- Rates will be published, which will make everything a yes/no decision for customers and local carriers.

# Connection Centers





# The Technology

- Automated Semi Trucks will only travel very well known interstate routes.
- Trucks will use LIDAR, GPS, and vision to drive safely and autonomously
  - HOW?
    - Partner with Universities such as Carnegie Mellon, Stanford, Virginia Tech, MIT. Also will attempt to partner with Google
- Trucks will use hybrid or clean technology
  - Hydrogen, Hybrid-hydraulic/pneumatic, etc.
- Connection Centers will be fully automated for pickup, drop-off, and refueling.
- Local connection center technicians will work with the Last-Mile drivers to assure coordination.
  - Last-Mile providers will always be rated on performance.

# Pros and Cons

## **PROS:**

- Low cost – Far fewer people are involved
- Fast! Customers get their goods quickly and cheaply
- Low risk – known routes
- 24/7/365 operations
- Environmentally Friendly
- Reliability and predictability will be significantly increased.

## **CONS:**

- Is technology mature enough?
- General acceptance by the public and law
- Worker/industry displacement
- Initial cost / complexity
- Coordination across multiple states



# Summary

- This technology is coming... We can be the first to the market.
- Today, I'm looking primarily for partners and industry experts to develop a full and feasible plan within the next year.
- In 1 year, my partners and I will present to venture capitalists to execute on that vision.
- **LOOKING FOR:**
  - Industry experts in logistics, especially trucking
  - Lobbyists and legal advocates
  - Industrial and traffic safety experts
  - Partners with connections/influence to facilitate a multi-million dollar start-up