

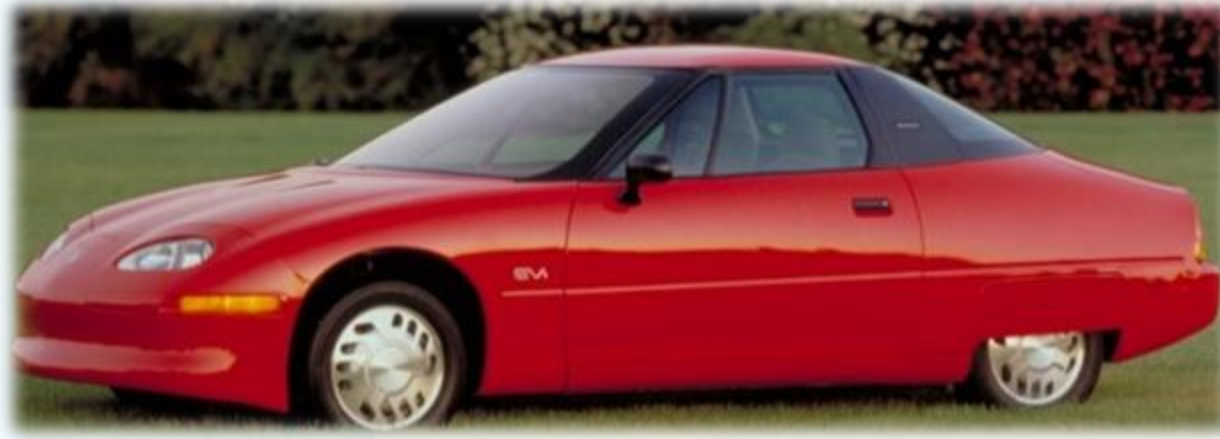


Welcome to
Indiana
Crossroads of America

Yesterday, Today, and Tomorrow...The Story Of EV's In Indiana



Yesterday: Indiana Bloodlines



Today: The Battery Innovation Center



Today: The Indiana EV Products Commission

Purpose Of The Commission

House Bill 1168 established the Electric Vehicle Product Commission. The 10-member commission is comprised of industry leaders and legislative representatives who are tasked with:

- **Evaluating the inventory of existing electric vehicle product facilities and production capability.**
- **Evaluate the inventory of skilled and nonskilled workers in the electric vehicle product industry.**
- **Evaluate opportunities and needs for training within the electric vehicle product industry.**
- **Determine if training centers promoting careers in the electric vehicle product industry should be created or transitioned from traditional automotive industry training centers.**
- **Identify existing manufacturing competencies within the traditional automotive industry and determine how the existing competencies could be leveraged to increase the production of electric vehicles.**
- **Identify and evaluate opportunities for growth within the electric vehicle product industry.**
- **Identify and document results from previous instances of retooling and transforming manufacturing facilities in the automotive industry.**
- **Identify opportunities for research and development within the electric vehicle product industry.**

Disruption = Opportunities

22K+ Manufacturing Companies

12K+ Automotive and Support Companies

769+ Unique ICE Companies

201+ Unique EV Companies

3K+ ICE & EV Combined Companies

	Unique ICE	Unique EV	Combined ICE & EV
Companies	769	201	3,535
Employees	40,175	9,816	137,519
Prod. Emp.	36,961	9,031	126,517
Non-Prod. Emp.	3,214	785	11,002

Propulsion System Competencies: ICE

- Gear machining
- **Welding**
- Carrier machining
- Shaft machining
- Heat treat operations
- Spline rolling forming
- Deburring
- Case/Housing machining
- Assembly of tight tolerance components
- Leak testing
- Test stands
- Casting operations
- Block machining
- Valve body machining
- Pump housing machining

- **Machine Tool Technology**
- **Welding Technology**
- **Industrial Technology**

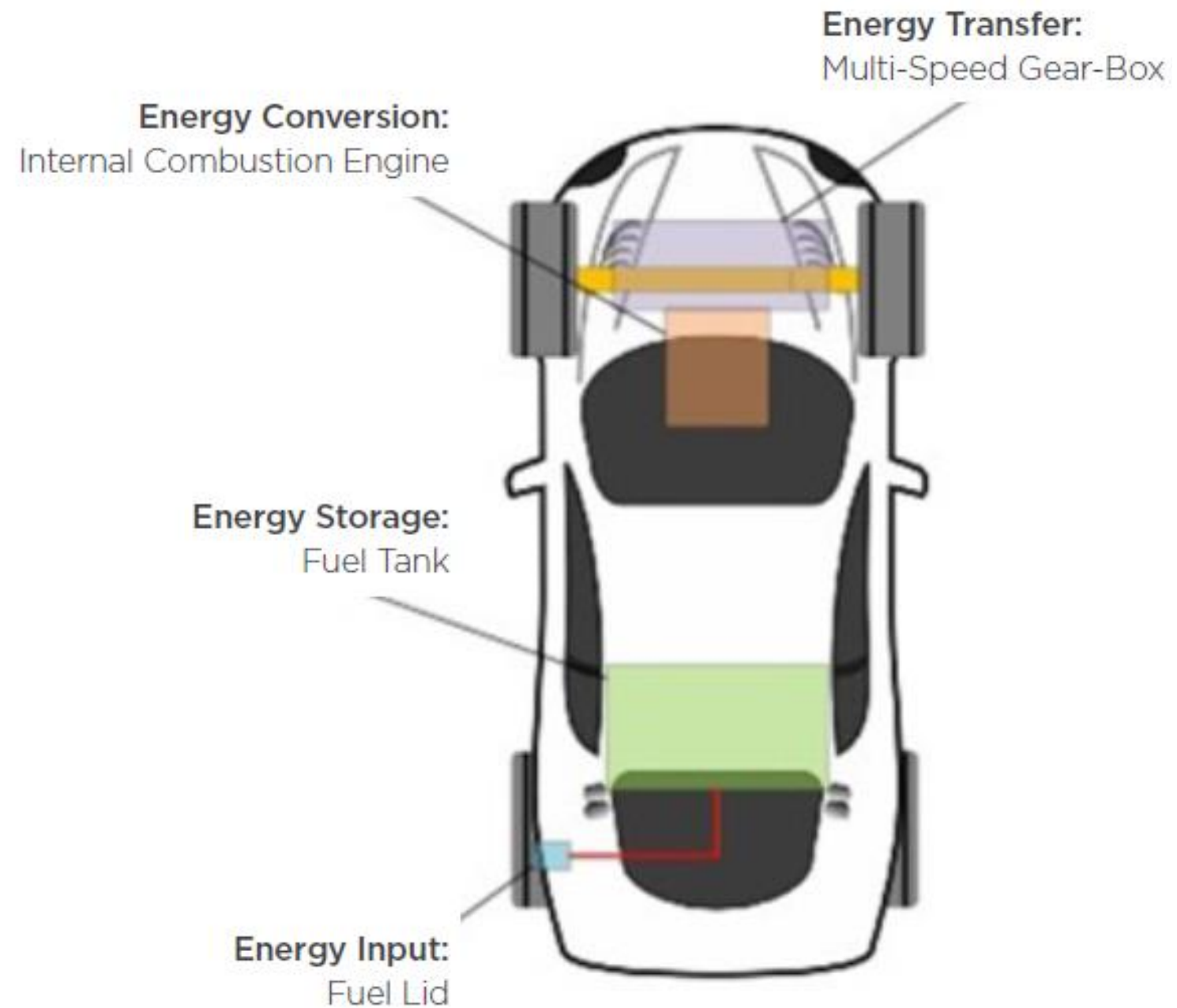


Image Source: EVP Commission

Propulsion System Competencies: EV

- Gear machining
- **Welding**
- Carrier machining
- Shaft machining
- **Heat treat operations**
- Spline rolling forming
- Deburring
- Case/Housing machining
- **Assembly of tight tolerance components**
- **Leak testing**
- **Test stands**
- **Casting operations**
- Block machining
- Valve body machining
- Pump housing machining
- Control Modules
- Software
- Computer Aided
- Cyber Security

- **Machine Tool Technology**
- **Welding Technology**
- **Industrial Technology**
- **Smart Manufacturing/Digital Integration**

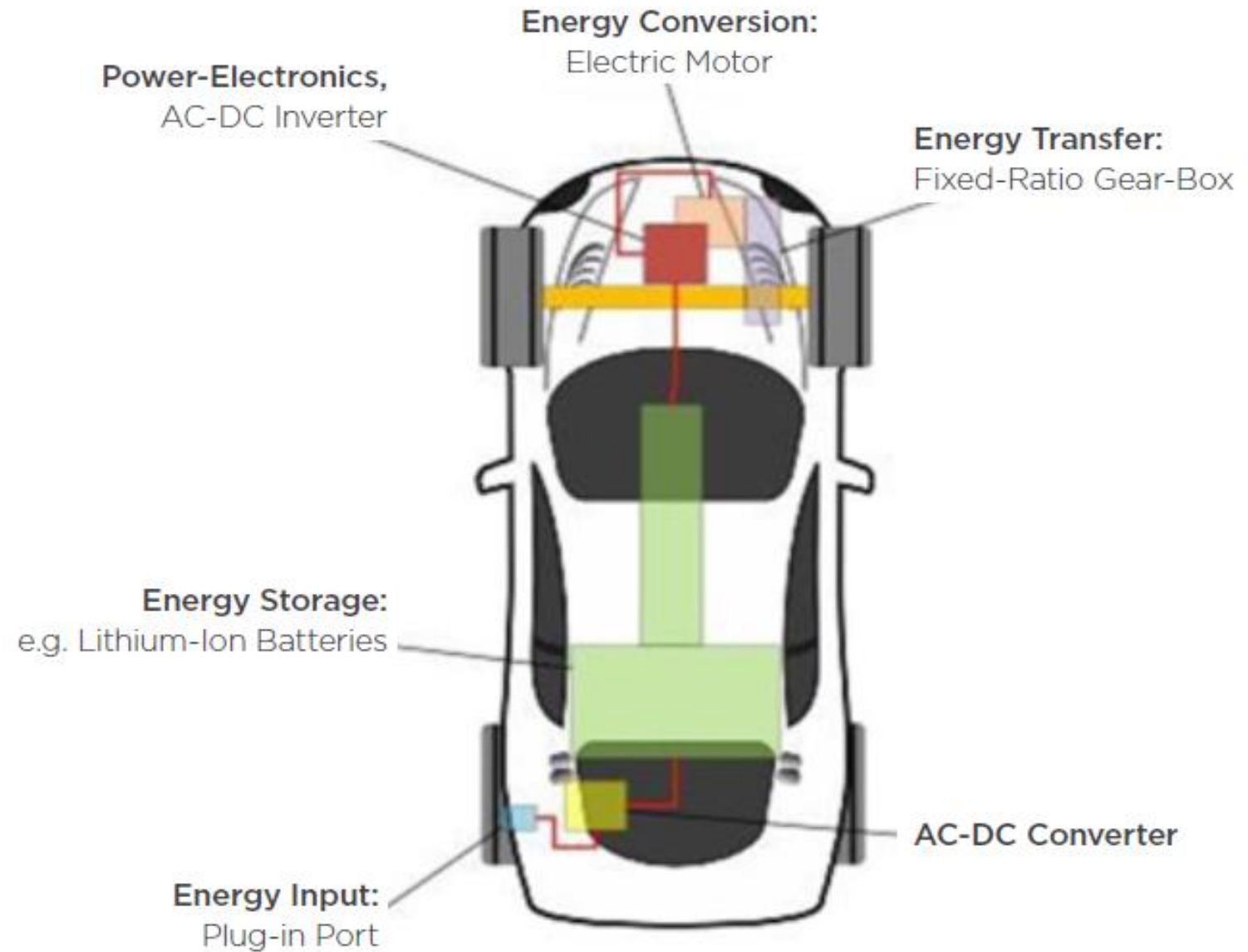


Image Source: EVP Commission

Recent successes can be used as catapults to planning for the future of EV work, resulting in **\$6.9 Billion in investment in 2022 to date** with an impending \$2 Billion project in negotiations.

Tomorrow: It is Here!



Tomorrow: EV Products

Emerging Ecosystem

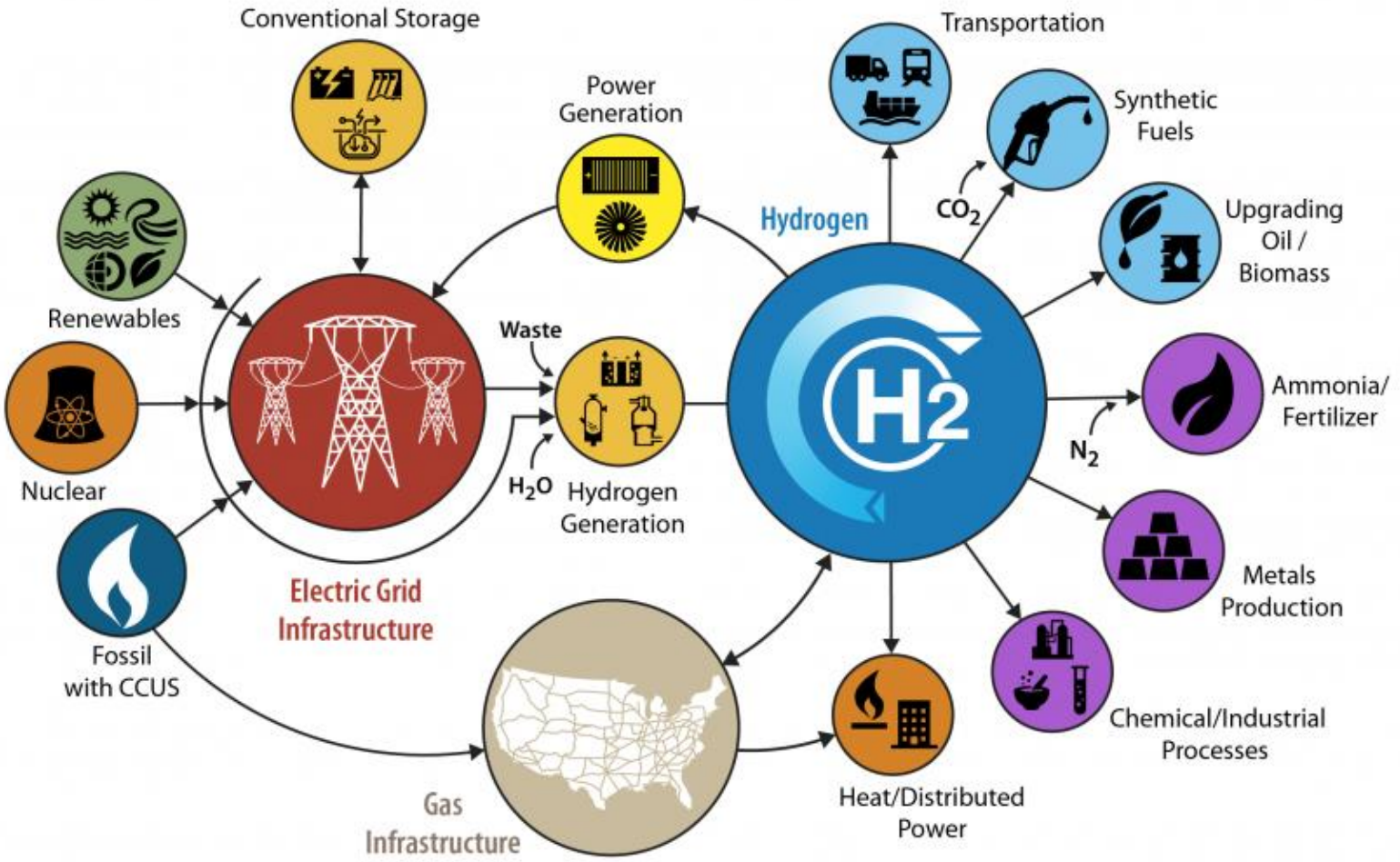
- Anderson:** EnerDel
- Bedford:** General Motors
- Columbus:** Cummins
- Fishers:** ReElement
- Fort Wayne:** General Motors
- Greensburg:** Honda and LG
- Indianapolis:** Allison Transmission
- Indianapolis:** Cirba Solutions
- Indianapolis:** EnPower
- Kokomo:** Green Cubes
- Kokomo:** Stellantis and Samsung SDI JV
- Marion:** General Motors
- Newberry:** Battery Innovation Center
- Newberry:** Underwriters Laboratory (UL BEST)
- Princeton:** Toyota
- South Bend:** Former AM General
- Union City:** Workhorse Motor Works
- Indiana (location TBD):** InoBat and Ideanomics



The EVP Commission believes the path forward is paved with

- Driving innovation to boost business and industry supply chain development
- Investing in robust education and workforce training assets for catalyst projects
- Nurturing collaboration and engagement with industry stakeholders
- Embracing and pursuing the opportunity for enhanced EV supply chain business attraction

Tomorrow: EV Infrastructure and Hydrogen Hub Ecosystem



The Challenge: Here in Indiana

How are we charging forward to engage, impact, innovate, amplify, and ensure what is next for EV's and advanced powertrains in Indiana?