



## **Patrick Thomas**

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Institute for ADVANCED **Composites Manufacturing** 

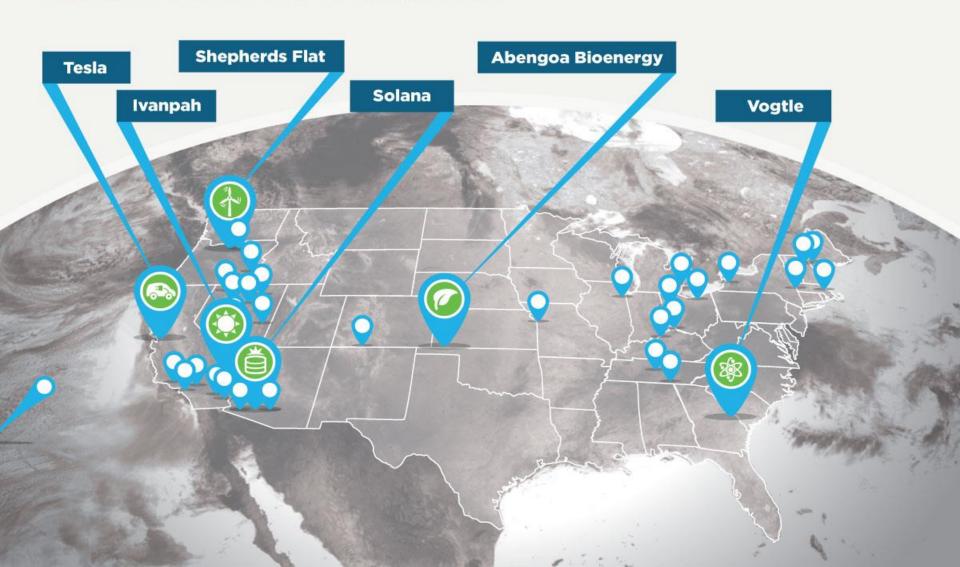


# ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM

energy.gov/lpo

### **DEPLOYING INNOVATION**

# \$30 BILLION INVESTED IN MORE THAN 30 DIVERSE PROJECTS NATIONWIDE



### WHERE WE HAVE BEEN:

#### **\$8 BILLION INVESTED IN AMERICAN AUTO MANUFACTURING**





#### **TESLA**

- \$465 million loan issued in 2010
- Financed the engineering and design of the all-electric Model S, battery manufacturing, and the renovation and modernization of a shuttered auto plant in California.



#### **FORD**

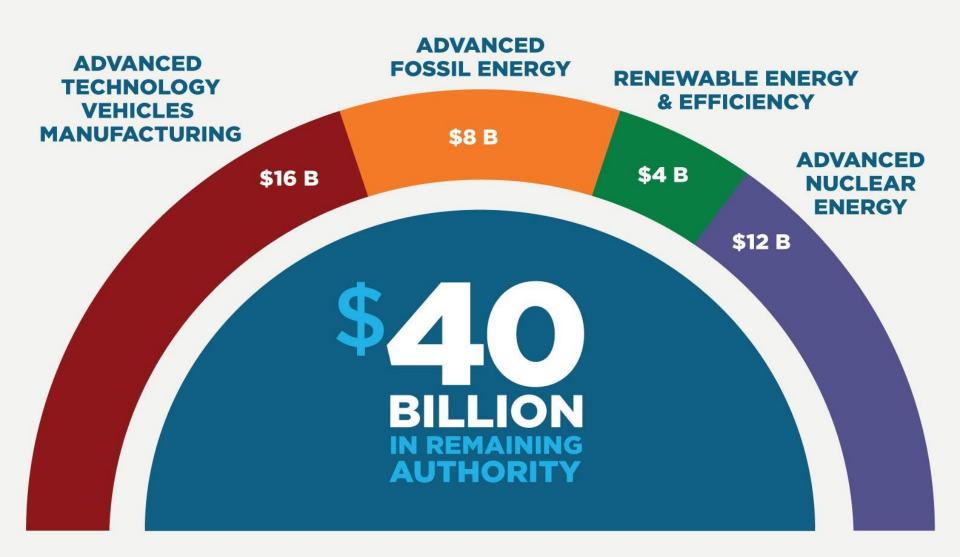
- \$5.9 billion loan issued in 2009
- Modernized 13 facilities in 6 states to manufacture fuel-efficient vehicles and components, including the EcoBoost™ engine.



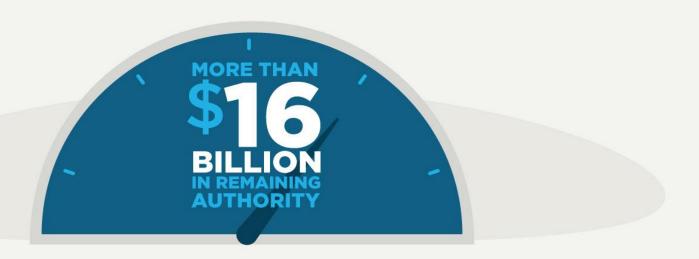
#### **NISSAN**

- \$1.45 billion loan issued in 2010
- Financed the construction of Nissan's new all-electric Leaf vehicle assembly line, a battery facility, and electric motor manufacturing facility in Tennessee.

### **INNOVATION CONTINUES**



### WHERE WE ARE GOING: **DEPLOYING REMAINING LOAN AUTHORITY**





#### **LOW INTEREST RATES**

Interest rates on loans are set at U.S. Treasury rates.



#### **MINIMAL FEES**

The program does not charge application or underwriting fees. At closing, applicant pays a closing fee of 0.1% of loan principal amount.



#### **LONG TENOR**

Loans are set at the useful life of the asset, as determined by DOE, and can extend up to 25 years.



#### **BROAD APPLICABILITY**

Eligible projects can include vehicle and component manufacturing, as well as engineering integration.



# ATVM can provide loans for eligible vehicle and component manufacturing projects in the U.S. that can include:

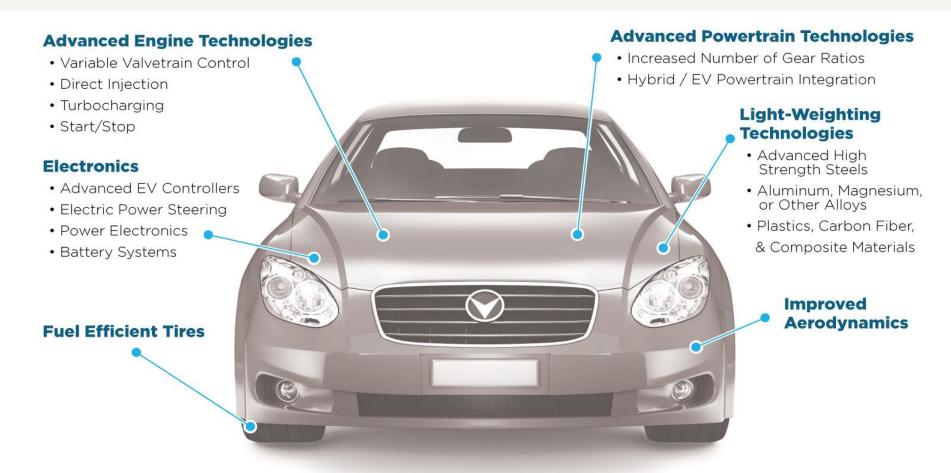
- ✓ Building new facilities in the U.S.
- Reequipping, modernizing, or expanding existing facilities in the U.S.
- Engineering integration

# ADVANCED TECHNOLOGY VEHICLES ELIGIBLE LIGHT-DUTY VEHICLES

**MY2005** MY2015+ LIGHT-DUTY MORE FUEL EFFICIENT **COMPARED TO MODEL YEAR** 2005 BASELINE

### ELIGIBLE COMPONENTS

# INSTALLED IN ADVANCED TECHNOLOGY VEHICLES TO INCREASE FUEL ECONOMY PERFORMANCE



# ATVM FINANCIAL EXAMPLE: AMERICAN COMPONENT CO.

# PROJECT COST: \$500 MILLION

Loan Amount: \$300 Million

Loan as % of Project: 60% Credit Rating: BB



#### **COMMERCIAL BANK**

Interest Rate: 5.50% Loan Tenor: 4 years Amortization: Bullet Total Interest: \$66 Million

#### **ATVM LOAN**

Interest Rate\*: 1.34% Loan Tenor: 7 years

Amortization: Straight-Line Total Interest: \$14.6 Million

### **TOTAL INTEREST SAVED: \$51.4 million**

Amortized over an additional three years

'Single effective rate based on yield curve data as of 12/1/14

### **APPLICATION PROCESS**

**PRE-APPLICATION CONSULTATIONS** 

Non-Binding

### SUBMIT APPLICATION

- Eligibility DeterminationDue Diligence & Underwriting

CONDITIONAL COMMITMENT

LOAN ISSUANCE

# Apply online at energy.gov/lpo/apply



Schedule a pre-application consultation: atvmloan@hq.doe.gov

**Questions?** atvmloan@hq.doe.gov

> For more information, and to apply online,