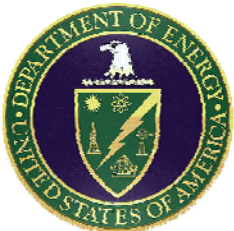


# View from the Bridge

**Tana Utley**

Chief Technology Officer  
Vice President  
Caterpillar Inc.

DoE DEER Conference  
Dearborn, MI  
August 4, 2008

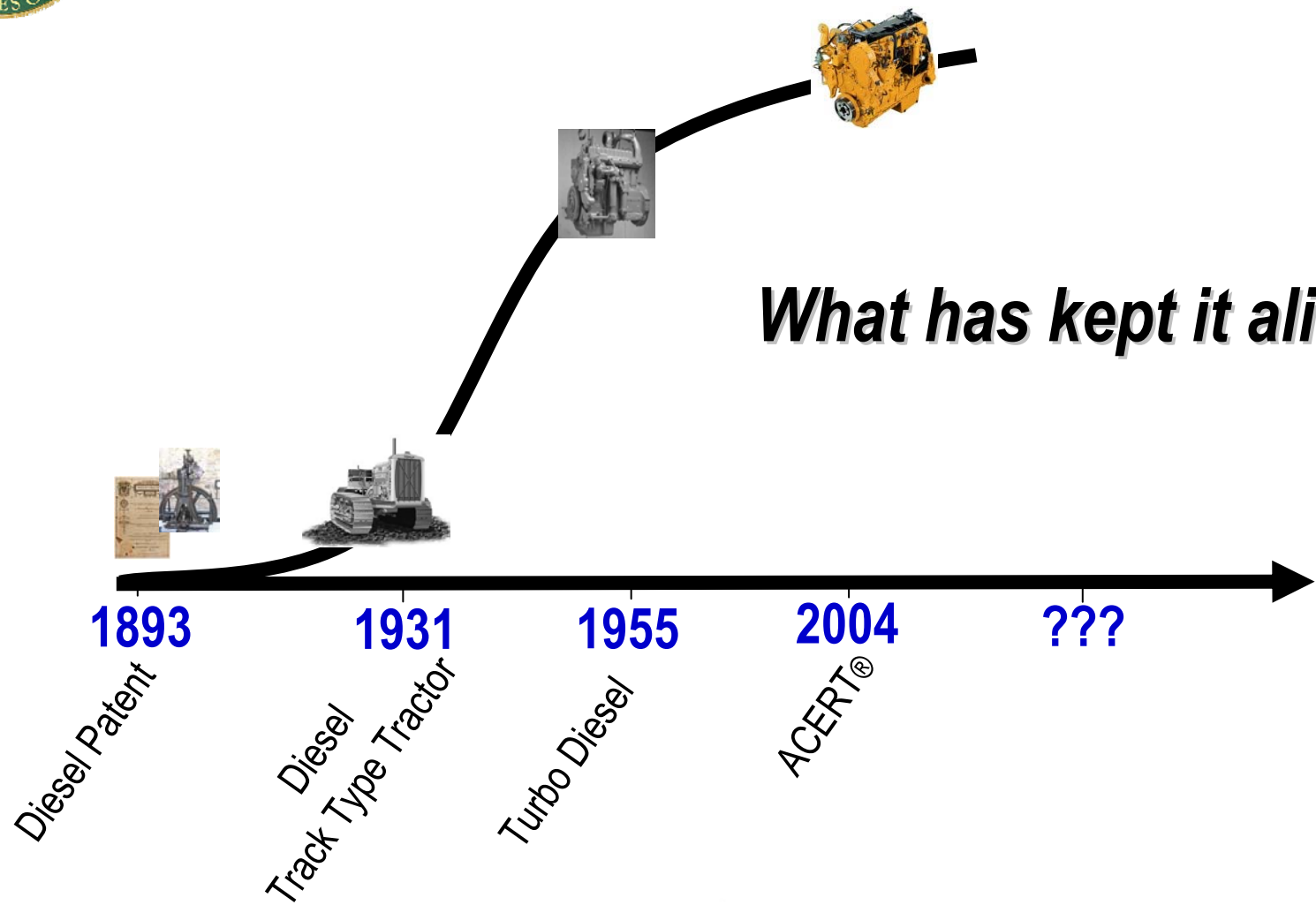


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**CATERPILLAR®**



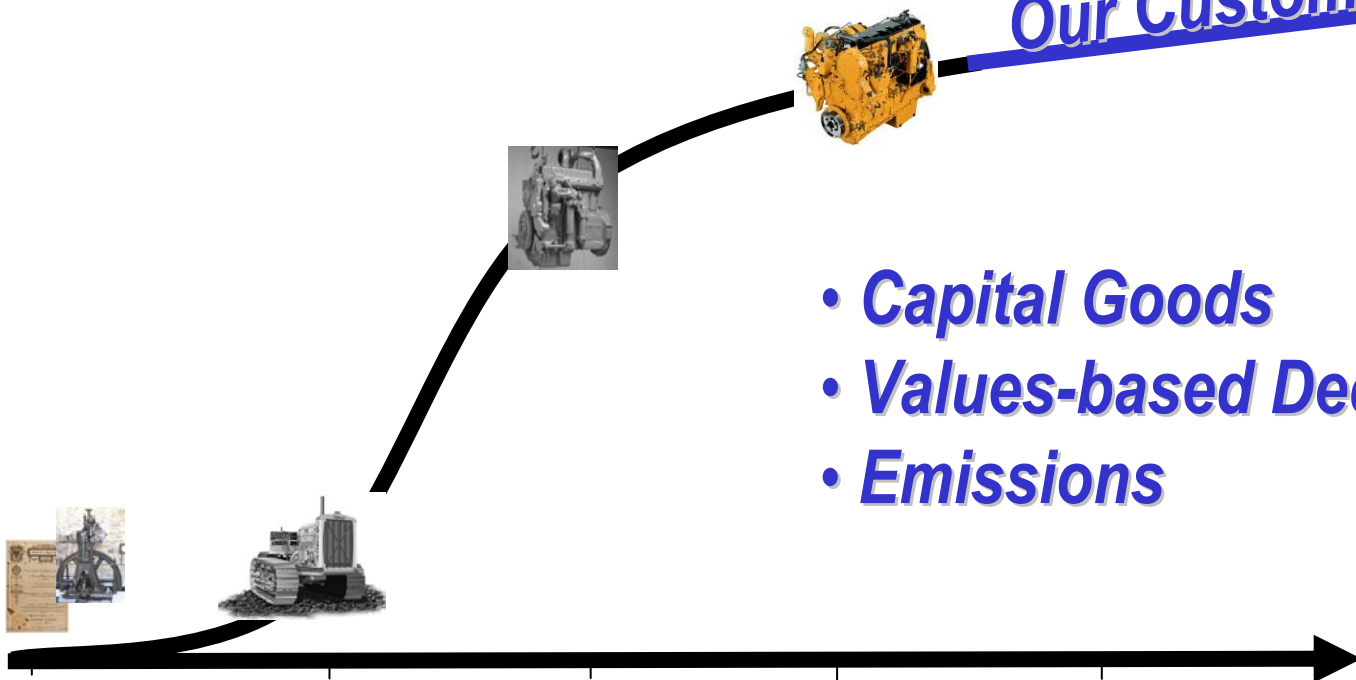
# Caterpillar's Legacy Platform





# Caterpillar's Legacy Platform

**Our Customers** →



- **Capital Goods**
- **Values-based Decisions**
- **Emissions**

**1893**

Diesel Patent

**1931**

Diesel Track Type Tractor

**1955**

Turbo Diesel

**2004**

ACERT®

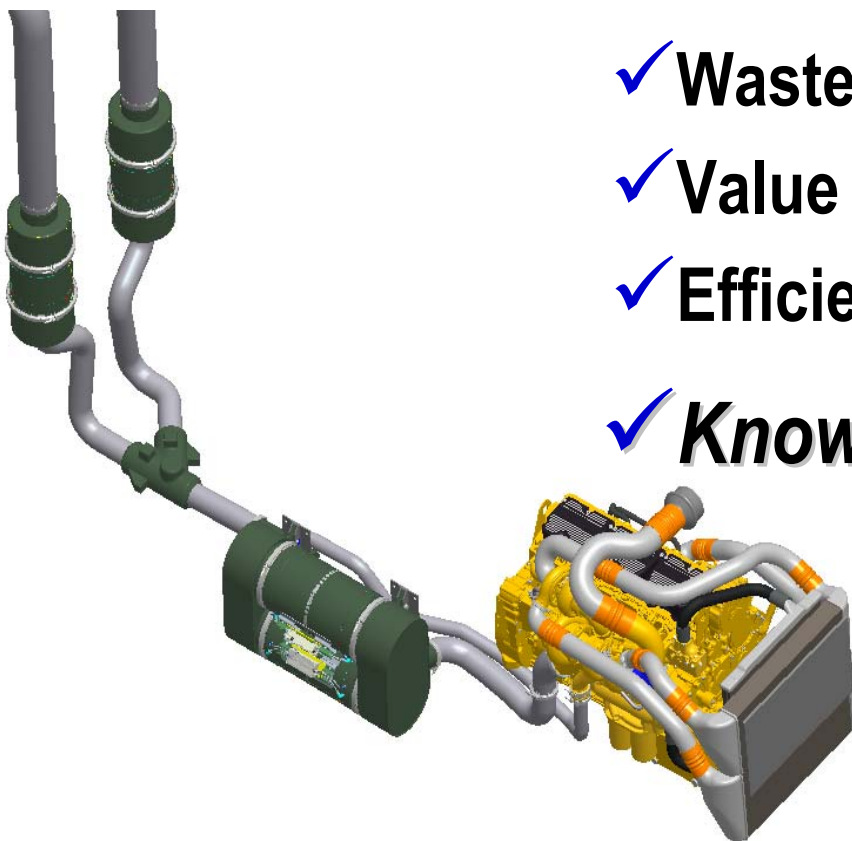
**???**





# Progress

- ✓ Turbo Technology
- ✓ Waste Heat Recovery
- ✓ Value of Advanced Combustion
- ✓ Efficient Aftertreatment
- ✓ *Knowledge*





# Progress



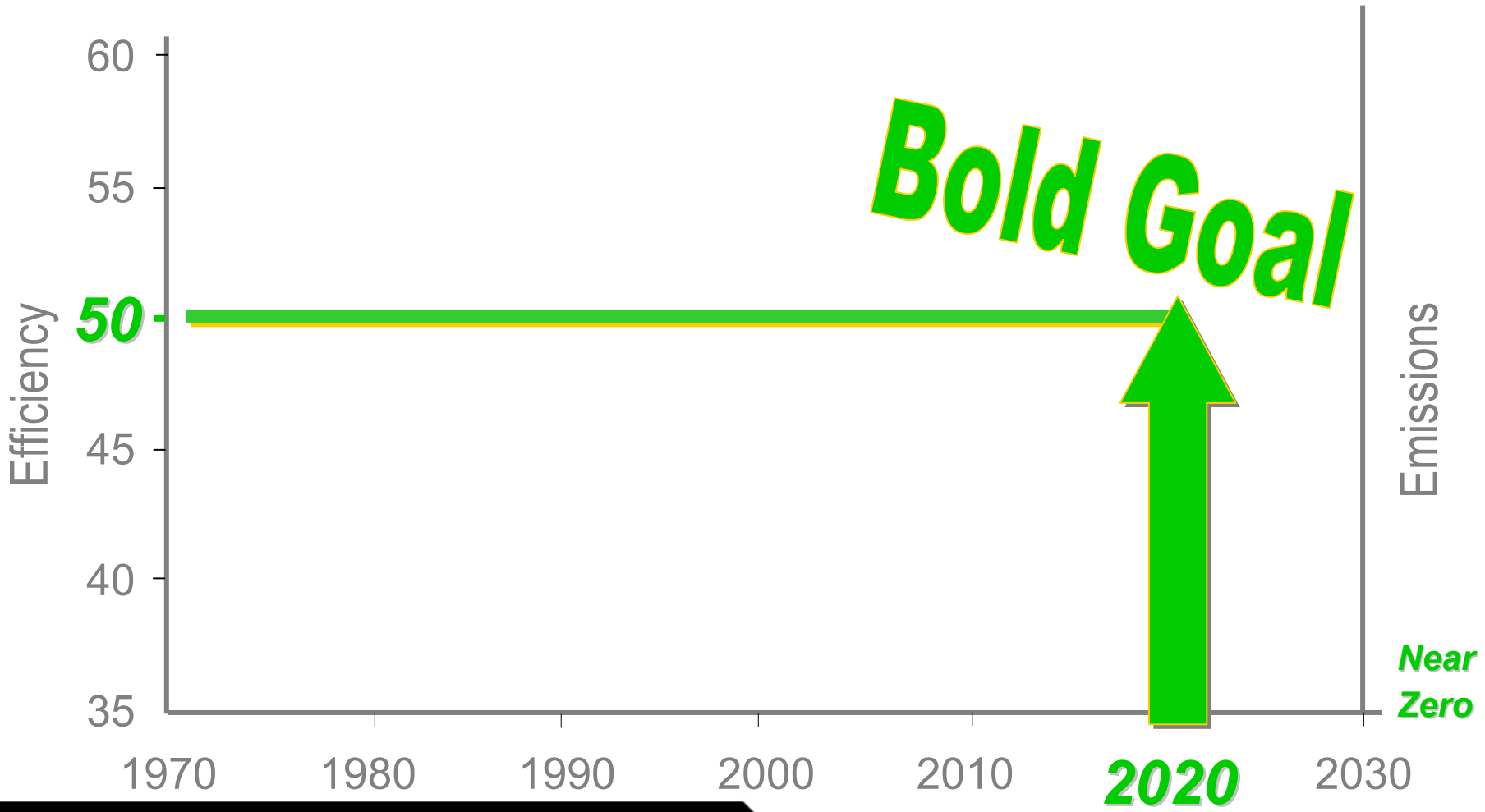
*An investment in knowledge  
pays the best interest.*

*Ben Franklin*



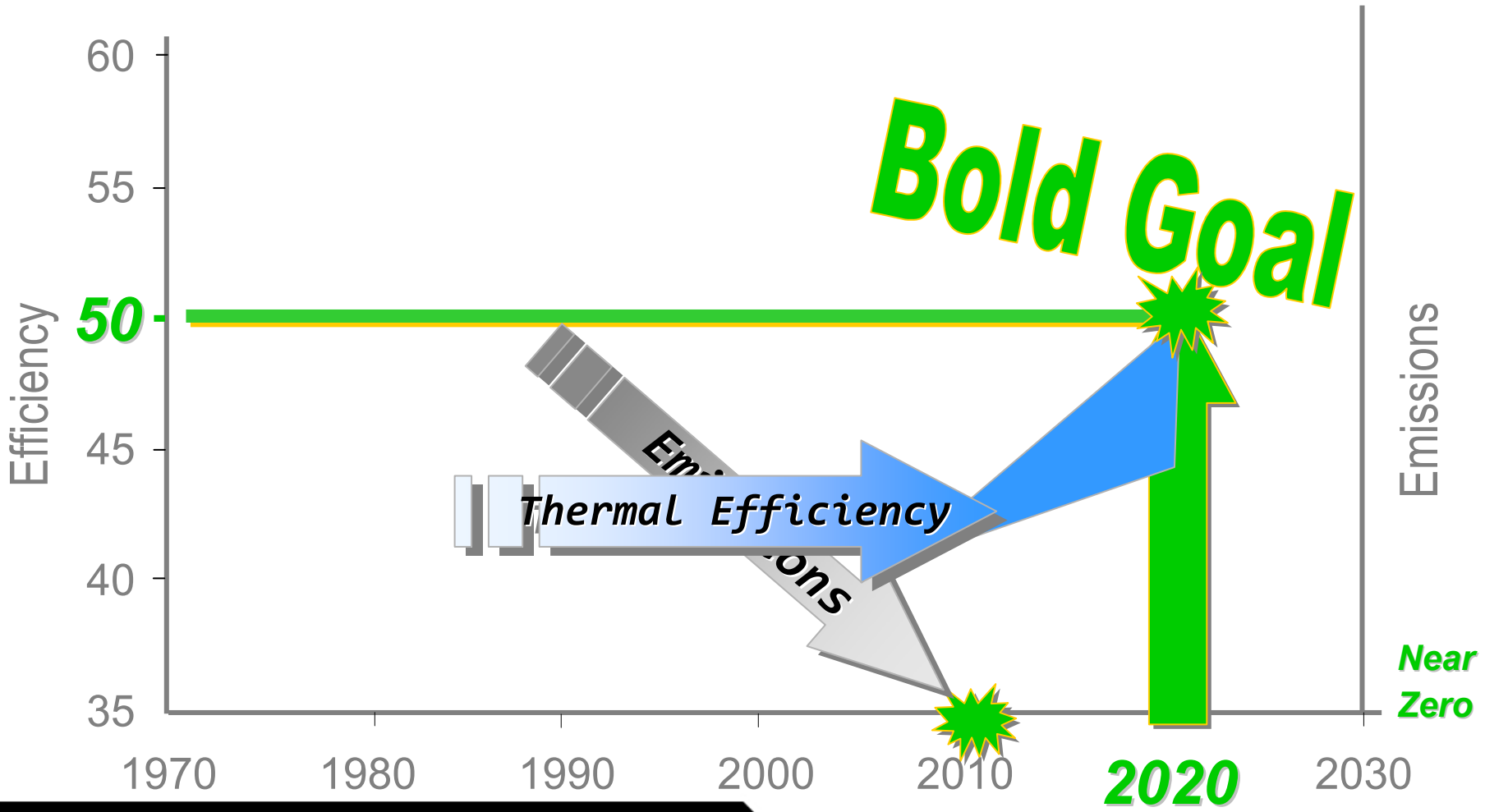


# Efficiency and Emissions Progress





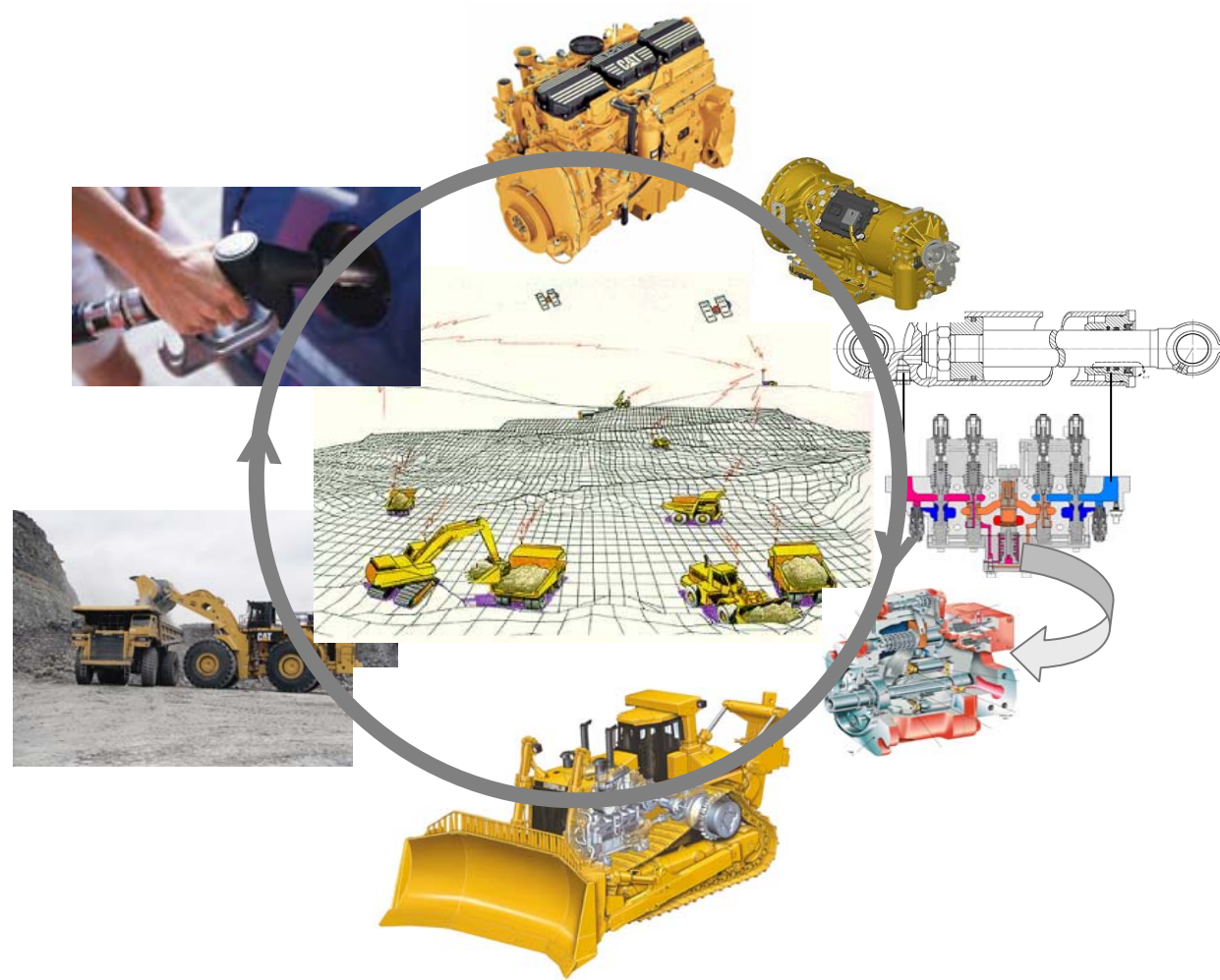
# Efficiency and Emissions Progress





# Systems Perspective

T&SD Technology & Solutions Division



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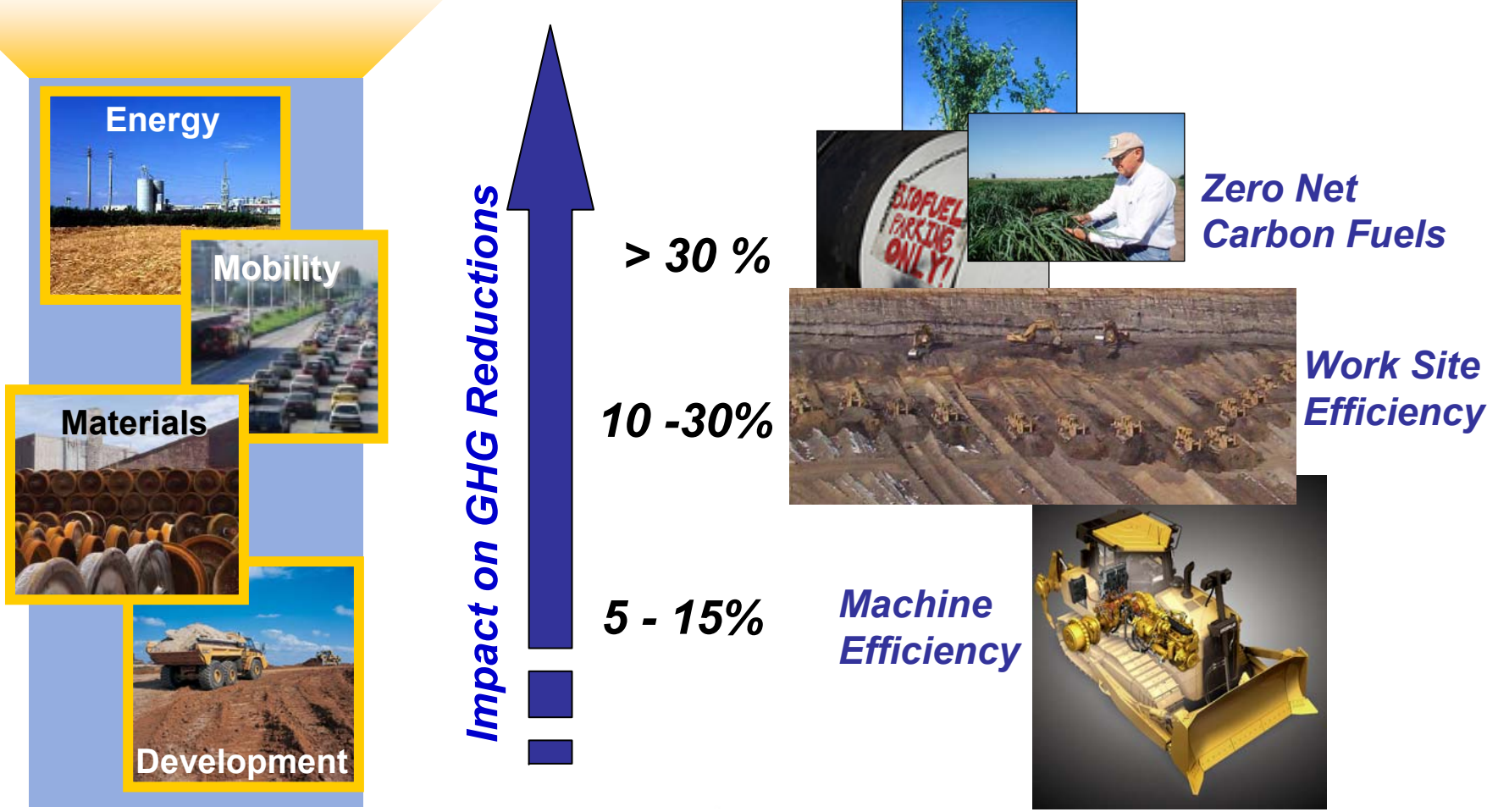


# CATERPILLAR®





# Caterpillar Energy & Sustainability

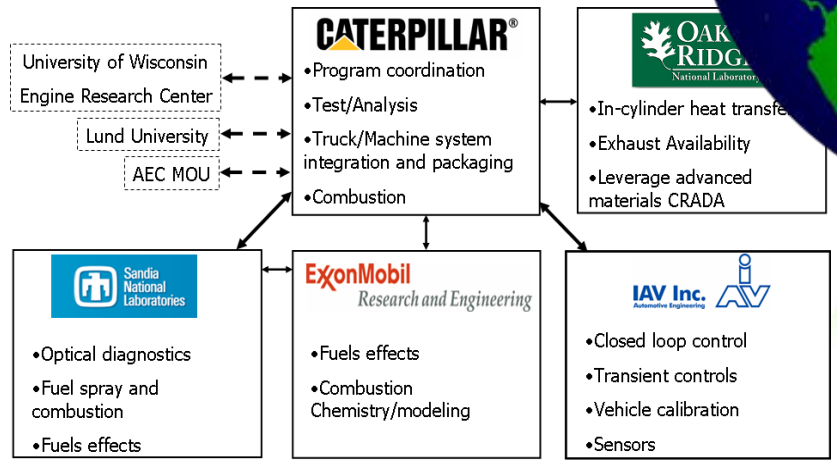
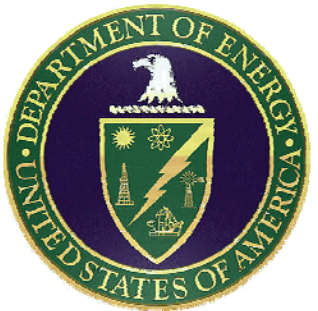




# Collaboration is Key

## DOE Cooperative Research

## ETI Cooperative Research





***Once you have glimpsed the world  
as it might be, it is impossible to  
live anymore complacent in the  
world as it is.***

