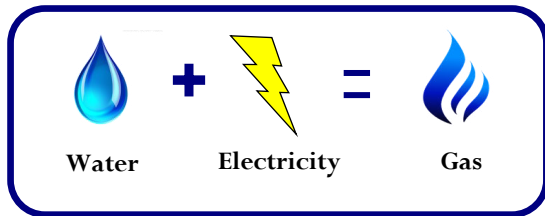


# WHAT IS POWER-TO-GAS?



The **goal** of our power to gas system is to produce *hydrogen gas* with the use of *water* and *electricity*.



## CONTACT US



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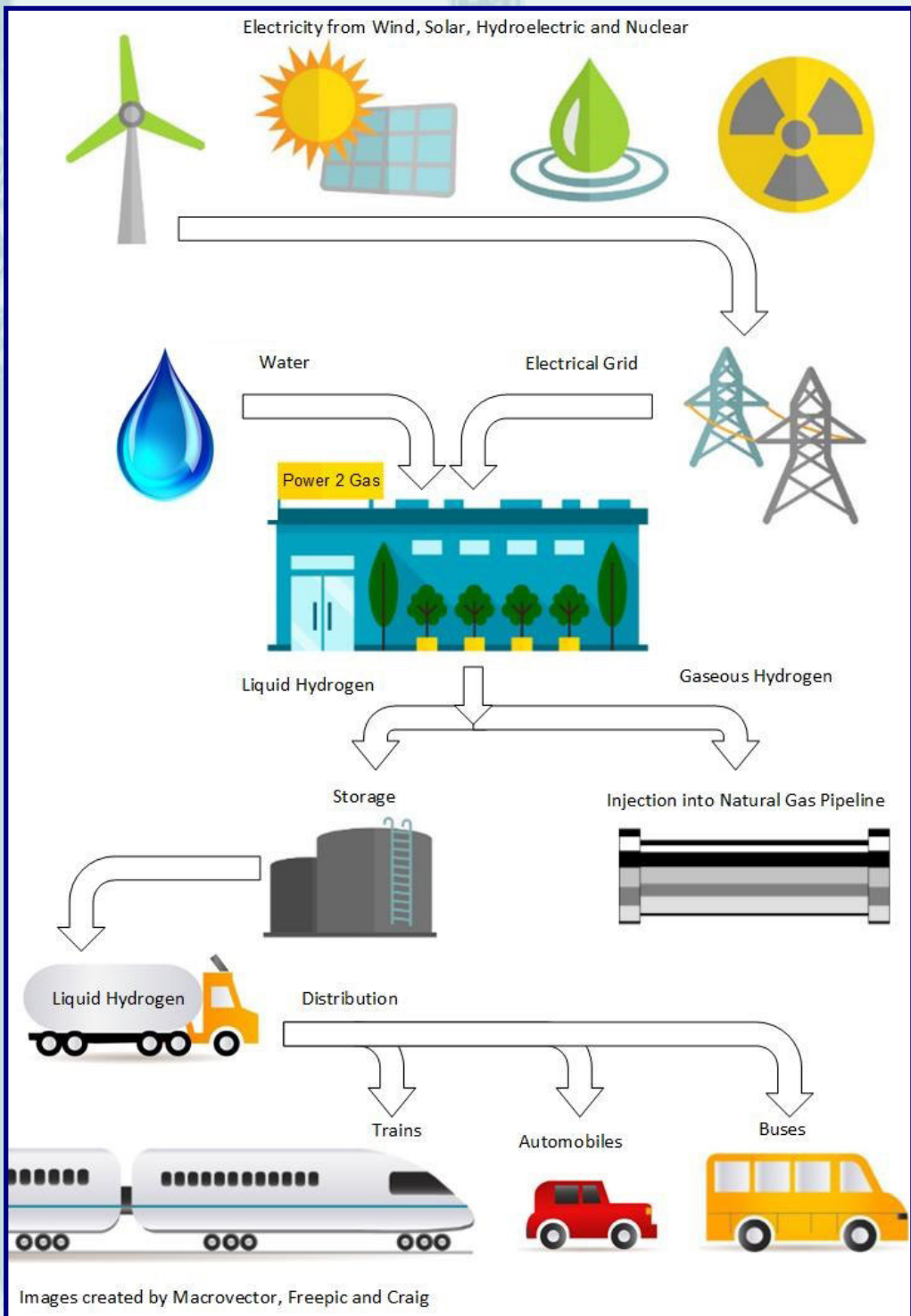
Dr. Matthew Kaye  
Associate Professor  
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Hydrogen Student Design Contest



*Driving Durham  
Without Gasoline*

# OUR POWER TO GAS PROCESS



## BENEFITS OF THE SYSTEM?

- **Moves** Canadian hydrogen infrastructure from demonstration projects to utility scale
- **Utilizes** power generated by low greenhouse gas emitting sources in the province of Ontario
- **Reduces** CO<sub>2</sub> emissions by a projected 57,000 metric tons per year
- **Converts cheap** electricity leaving the province to a different form of energy with multiple applications
- **Improves** Ontario's **economy** by providing jobs of various skills and talents
- **Opens** opportunities for **market expansion**
- **Meets** the changing needs of different communities due to Modular design

SAFE

RELIABLE

READY