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A decorative background pattern of light blue circuit board traces and nodes, resembling a PCB layout, is overlaid on a dark blue gradient background. The pattern is most dense on the left side and tapers off towards the right.

RIO HONDO COLLEGE ALTERNATIVE FUELS TECHNOLOGY

ZERO EMISSION INSTITUTE OF TECHNOLOGY

CALIFORNIA ENERGY COMMISSION
PROGRAM REVIEW REPORT AUGUST 6, 2018

PROGRAM OVERVIEW

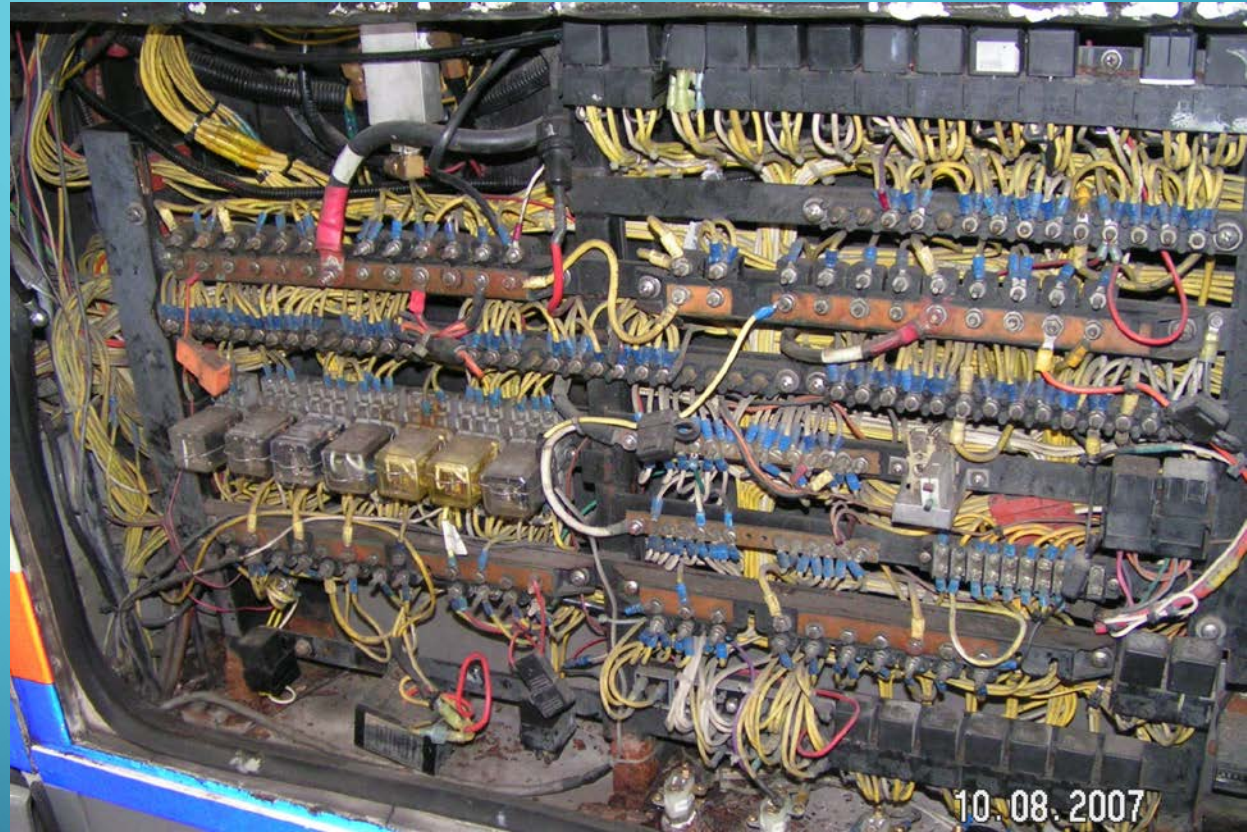
The Alternative Fuels program has been in place for over 25 years and has graduated over 1000 students with the necessary skills to be competitive in today's technology.

Two Associates of Science;

Alternative Fuels Technology, (gaseous Fuels)

Electric Vehicle/Fuel cell Technician
Technology

Average enrolment 35 students in day and night courses.



WORKFORCE READY EDUCATION

Our connection to industry and manufactures allows the program to have access to current technology to train students and the incumbent workers, as well as the train the trainer sessions across the united states.

The award winning program is not district funded! All equipment and laboratory trainers are grant funded and matched by industry in-kind support.



Student getting HIGH- VOLTAGE certification





ALL OF THE CURRICULUM IN DEVELOPED IN HOUSE

- Students learn manufacturing, part identification, and diagnosis.
- Where do the students enter the workforce? Some are upgrading the skills to advance in the current work place, some entering the field for the first time.
- Special care to help Veteran's get the transferring skills to be successful.
- Students get industry certifications while in program.

10,000PSI tubing demo, in part with **CIRCOR Aerospace & Defense**

CHANGE WITH THE TECHNOLOGY OR YOU LOOSE OUT

Grants funded,

IDRC with CODA Electric vehicle 400,000

IDRC with SCRITC for heavy equipment degree creation \$200,000

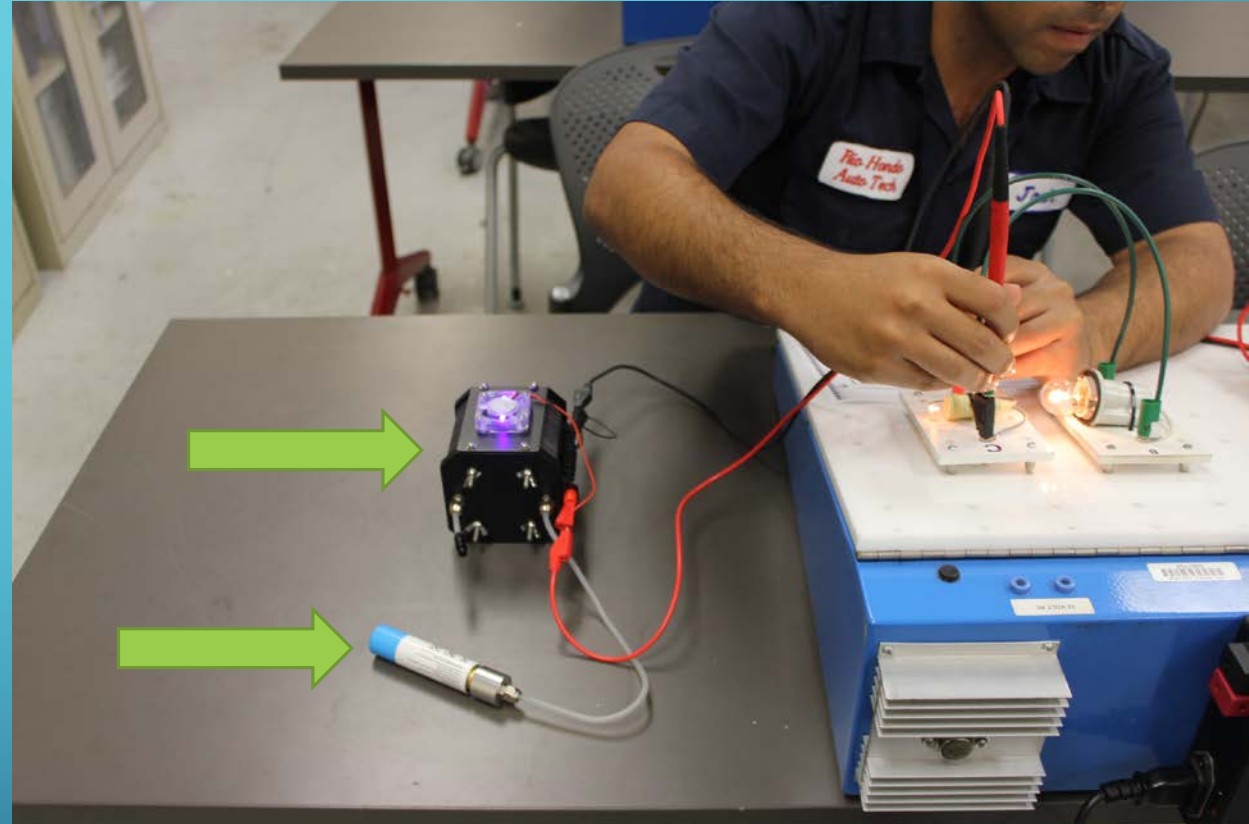
IDRC for Electric/Hybrid vehicle \$150,000

2015 NSF/ATE Fuel Cell Technician \$199,999

CEC Funded ATRE grant for Hydrogen Equipment \$172,000

ATRE/CEC Grant Electric Vehicle/fuel Cell \$192,000

2017 NSF/ATE High Voltage Safety \$778,880



Hydrogen Fuel cell power test equipment on a live board

WHO ARE WE WORKING WITH CURRENTLY?

First Graduating class of TESLA technicians



- First TESLA START program in California, one to two in nation.
- NSF, (National Science Foundation)
- California Fuel Cell Partnership
- STRATOS Fuels
- SUNLINE TRANSIT
- ZEBRA, (ZERO Emission Bus Resource Alliance)
- SCR TTC
- PROTERRA Electric Bus
- El Dorado Bus, (SunLine Fuel Cell Bus)
- New Flyer Bus
- LAMETRO Transit
- Orange County Transit
- Gardena Transit
- Norwalk Transit

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