



Program overview

This initiative combined two phases to equip young people with skills for Mexico's green industrial transition. The first phase developed, piloted, and evaluated introductory curricula in Data Science and Energy Efficiency Fundamentals at TVET and higher education levels, aiming to modernize traditional industries for sustainability.

The second phase focused on higher education, designing and testing curricula to prepare youth for careers in electric vehicle manufacturing. Together, these programs lay the foundation for scalable, future-ready training aligned with Mexico's evolving industrial needs.

Electric Vehicles Manufacturing

Feb - June 2023

Nuevo León Puebla



9

Trained Teachers (40 hours)

Skills:

- ✓ Manufacturing and electromobility.
- ✓ Assembly and configuration in high voltage systems.
- ✓ Product development.
- ✓ Management of intelligent technologies and advanced production systems.

187

Enrolled Students

95%

Satisfaction

88%

They visualize new career paths

89%

It helps them to achieve their personal or professional goals.

88%

They feel better prepared for the labor market

Data Science Introduction

Feb - June 2023

Nuevo León



6

Trained Teachers (40 hours)

Skills

- ✓ Conducting descriptive statistical analysis
- ✓ Identifying data behavior and trends.
- ✓ Analyzing information using probability methods,
- ✓ Designing and creating graphical visualizations to facilitate data analysis.
- ✓ Etc.

154

Enrolled Students (80 hours)

88%

Satisfaction

89%

New Professional Path Visualization

64%

Thinking of Professional Data Science Career

59%

This course help me to choose my career

Energy Efficiency Fundamentals

May- Sept 2023

Juárez, Chihuahua



8

Trained Teachers (50 hours)

Skills

- ✓ EE Fundamental Concepts and Principles.
- ✓ Measurement and Diagnosis.
- ✓ Solutions for Reducing Energy Consumption.
- ✓ Project Formulation and Evaluation.

172

Enrolled Students (100 hours)

96%

Satisfaction

86%

Better prepared for the job market

76%

+ Capacity to achieve professional goals

63%

Better chance to get job I want