Atmospheric Water Generator Retrofit Kit
San Jose State University
Department of Electrical Engineering
May 12, 2015
Advisor: Dr. Shahab Ardalan
Emil Kurian, Michael Fung, Edward Trinh
Introduction

- Problem
- Solution
- Objectives and Goal
- Projected Consumer/Audience
Dew Point
Peltier Tiles

- Peltier Effect
- Compact
- How we use it
Hardware

- DHT11 Temperature and Humidity sensor
- LM35 Temperature sensor
- TMP275 Temperature sensor
- DAC0804S085 Quad Channel DAC
- LCD Display
- Relays
- LM741 Opamp
- Arduino Uno
Results/Demo

- 1.008 L / Day
  - .7 mL / 10 min
  - 75% Humidity
Challenges/Improvements

- Heatsinks
- Aesthetics
Thank You