FOR HOMEOWNERS WHO WANT TO IMPROVE THE QUALITY OF AIR IN THEIR HOME, OUR WHOLE-HOME HUMIDIFICATION SYSTEM REDUCES DRY AIR AND ITS HARMFUL EFFECTS.

FLUTECH: Engineering leadership and Mechanical Engineering senior-students at the University of Texas at El Paso partnered with FLUTECH, a mechanical contractor and consultant, to develop an effective humidification and filtration control system. In the past, FLUTECH has developed systems and equipment to reduce or prevent control mechanisms, humidity and particle contamination in large manufacturing facilities. Our project goal was to domesticate the existing technology and design a compact humidifier appliance that could be integrated into a 2,000-square-foot home and in mass production will be reasonably priced and accessible to homeowners.

WHY HUMIDIFICATION?

- SOFTER, MORE VIBRANT SKIN
  Cold dry or swamp moisture from your nose, which causes problems such as dryness, redness, irritation, and flaking.

- REDUCE MONTHLY HEATING COSTS
  Adding a humidifier to your home helps control the air's relative humidity and can make your heating system more efficient.

- REDUCE RISK OF INFECTIONS
  A humidifier can help your body fight off infections by boosting your immune system.

- SLEEP IMPROVEMENT
  A humidifier can help alleviate the symptoms of sleep apnea and other breathing disorders.

OUR SOLUTION

- HU-PAK FURNACE HUMIDIFIER
  A unit that can be installed in the furnace that provides a constant source of humidified air to the entire home. The humidification level can be adjusted, and the unit can also be programmed to turn on and off based on the weather or other conditions.

HOW TO MAKE IT HAPPEN

- INSTALL
  The installation process is straightforward and can be completed by a professional in a few hours.

- DESIGN
  The design of the humidifier is sleek and modern, fitting into any home.

- MADE
  The humidifier is made of durable materials and is energy-efficient, reducing your monthly energy bills.

WHO WE ARE

- ENGINEERING STUDENTS
  The team consisted of mechanical engineering students who designed and built the humidifier system.