



The Irrigation Technology Center
Texas A&M University System

Overview

Creation of the Irrigation Technology Center (ITC) was approved by the Board of Regents, Texas A&M University System on May 24, 2002. The ITC was established as a center of the Texas Water Resources Institute, administrated through Texas Cooperative Extension and the Texas Agricultural Experiment Station.

Plans are being developed to construct a major new facility for water technology development and testing to be located at the proposed new Texas A&M University campus in San Antonio. An announcement on the site for the campus and ITC is expected in Spring 2007.

Our Mission

- Promote efficient irrigation and water conservation while maintaining profitable agricultural production and quality urban landscapes
- Help coordinate irrigation research and extension programs of the Texas A&M University System
- Develop new facilities, capabilities and programs for irrigation research, education and service
- Establish an equipment testing and verification program and develop minimum design and performance standards for irrigation systems

Websites and Major Programs

Irrigation Technology Center (*home page and portal to programs*) - <http://itc.tamu.edu>

Texas A&M School of Irrigation - <http://irrigation.tamu.edu>

Irrigation District Education and Assistance - <http://idea.tamu.edu>

TexasET Network and Website - <http://TexasET.tamu.edu>

TexasWeather - <http://texasweather.tamu.edu>

Examples of Some Current Projects - Fall 2006

Introduction of Polypipe into Afghanistan

Polypipe introduction through demonstration projects in cooperation with the US Army, 10th Mountain Division, and at the teaching farm of Kabul University in cooperation with Purdue University and USDA.

Public Service Project

Renovation of the irrigation systems of the San Antonio Botanical Garden in cooperation with the Texas Turf Irrigation Association and a public water utility.

60-day drought Recovery of Turfgrass

Two-year project to determine the ability of turfgrass to recover from 60 days of drought in cooperation with the Turfgrass Producers of Texas and the San Antonio Water System.

Canal Automation

Implementation of an automatic gate in United Irrigation District requiring simultaneous up-stream and down-stream control.

ET Controller Evaluation

Installation and evaluation of current and emerging technologies for controlling landscape irrigation in cooperation with two water utilities.

Water District Data Management

Development of a model database program and web applications including account access, water ordering, and distribution network monitoring and control in cooperation with two irrigation districts.

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