



# Lab Course: ISOBUS for Engineers – VT-Client Applications

## Audience

Engineers working in the Ag equipment industry, particularly with electronics

## Description

ISOBUS is the standard for communication between Ag equipment devices from different manufacturers. ISOBUS enables features like a common GUI, data logging, and precision Ag features such as section-control and variable-rate application.

This lab-style course provides an opportunity for hands-on development of example GUI screens - the ISOBUS feature known as VT- or UT-Client. The course covers creation of object pools, configuration of an application, triggering information updates to the VT, and handling inputs from the VT.

## Prerequisites

- ISOBUS for Engineers – The Basics
- Familiarity with a C-style language (C, C++, Java, C#) is assumed. Code examples will be in C.
- Each attendee should bring a Windows laptop with the following software installed:
  - [Microsoft Visual Studio Express 2013 for Windows Desktop](#)
    - *Note: There are several versions of VS Express, so be sure to use the link provided.*
  - [Jetter ISO Designer](#) – A VT Object Pool editor – The demo license is adequate for training.
  - [Busmaster](#) – An open-source CAN monitoring tool
  - [Perl](#) – Open-source scripting language
  - Intrepid Control Systems [ValueCAN3 Driver](#)

## Agenda

Course Duration: 4 hours, including breaks

- Demonstration and exercise to create a simple object pool
- Demonstration and exercise to configure an application with the object pool
- Code development exercise to provide information to the Virtual Terminal
- Code development to respond to events from the Virtual Terminal

## Where

Typically offered at one of our DISTek development centers, but can be hosted at other locations upon request.

## Cost

\$350 per attendee. Discounts available for multiple courses or multiple attendees from one company.

## If Interested

Please contact Angela Goodnight ([angela.goodnight@distek.com](mailto:angela.goodnight@distek.com)) to be put on the list for the next available session.

