



Course Descriptions

mPower User Group Conference October 11-14, 2022

[Registration](#) covers all courses, meals and activities the duration of conference.

<u>Course Name</u>	<u>Course Description</u>
Introduction to OMS	<i>Introduction to the newly redesigned mPower OMS. This class will go through the system and explain what is happening in the new OMS. It will take you through each screen and explain what is happening.</i>
Integrator Administration	<i>This course will focus on the System Administration menu in Integrator and the process of setting up a new Integrator site. This includes the administration of Reports, Query's, Setting up Data Sources, Connectors (permissions), User Admin, Modules, and the Access Log</i>
Collecting Field Data for Integrator without Access to the Internet	<i>This course will focus on using various methods to capture and collect data in the field. Including ESRI Field Maps, and other apps such as QGIS and Qfield. We will also cover the basics of setting up and using an external GPS receiver.</i>
OMS Advanced	<i>Advanced OMS will allow the user to work with hands-on mock outages. We will go through entering calls, auto-grouping, managing outages, managing crews, grouping calls manually, creating new groups from existing non-restored calls and more.</i>
Building Parent/Child Model and Trace in Integrator (Electric)	<i>We will demonstrate setting up gisid's and parentid's for a parent/child model, auto populating gisid's, creating a stored procedure to help automate the relationships, and using trace in Integrator.</i>
Building Topology Model and Trace in Integrator (Water/Sewer/Gas)	<i>In this course, we will cover setting up the trace database and fields, introduce you to the autonumbering procedure, look at the directional and non-directional options, set up the trace tools in Integrator, process the model and save the trace.</i>
MSSQL Fundamentals	<i>Learning MSSQL will greatly improve your skills and ability to perform advanced applications of our software. In this first of three MSSQL focused courses, we will focus on the fundamentals of MSSQL. Learn how to create databases, tables, fields/field types, spatial tables and how to connect to mapping systems.</i>

<u>Course Name</u>	<u>Course Description</u>
MSSQL Advanced	<i>More in-depth session of Microsoft SQL. You will learn how to make views, join tables together, how to convert data to a format you can use, spatial joins, how/where/when to use triggers, how to use stored procedures and what they are used for. Some data</i>
SQL Server Reporting & Report Builder	<i>This class will cover the two types of SQL Reports that Integrator can use, File Based and Server based, and the ways the work differently in integrator. We will cover the concepts of Datasets, Parameters, Hyperlinking to services. Time permitting, we will also cover using Stored Procedures as datasets, and demonstrate some</i>
Building a Public Outage Map	<i>We will discuss how to set up a Public Outage Map for your utility. This includes our classic grid style map, as well as the newer cluster/heat map.</i>
Example Applications Using Integrator/Editor	<i>This course will demonstrate a variety of examples using Integrator and Editor to build enhancements to your GIS system. Topics covered include meter changeout forms, vegetation management, Inspection data, violation, and notification form letters, etc.</i>
IVR and OMS	<i>This class will cover the different components of IVR, their use cases, and how they can be utilized together or separately. We will take Look at how call trees are built in Twilio, the IVR API, and how calls are inserted into OMS.</i>
Requirements for Load Analysis	<i>We will have a round table discussion on what the requirements are for load analysis. We will run through what most data looks like when it comes into the system and what data is available when you have a complete working system.</i>
Editor Forms and Adding Data Points Using Integrator	<i>This course will guide you through setup and use of Integrator Editor™ forms. Learn how to build and optimize your forms to both edit and add data to your GIS system</i>
Condor Fiber Management	<i>This class guides the user through fiber and coax network management using Condor as an Esri add-on tool. Topics cover fiber splicing, reporting, optical time domain reflectometer (OTDR), and fiber trace.</i>
Falcon Field Staking	<i>An in-depth look at how Falcon can be used for field staking, design and costing projects. We will run through field staking package preparations, data upload, construction standards, assemblies, materials, labor and equipment. In addition, reporting and analysis functions will be demonstrated and discussed.</i>