# TrulyMobile SCADA™ Architecture

OPC-to-Smartphone Solution for Industrial Scale Applications

**TrulyMobile Solutions**

## Internet Zone

## DMZ

This zone contains the TrulyMobile SCADA Service Host and exposes its external interface to the larger and untrusted Internet Zone. The DMZ adds an additional layer of security to Corporate Network.

TrulyMobile SCADA requires 2 external TCP/IP ports to the Internet Zone. A trusted SSL certificate is required to enable HTTPS.

**TrulyMobile SCADA Service Host**

## Corporate Network

This zone carries the general business network traffic. This zone may span multiple locations across a wide area network. Traffic from this zone may not directly access the Control Network Zone.

Data from the Controls network is made available to the Corporate network via special sub-zones configured to grant access. Similarly, data from the Corporate network can be pushed to the DMZ for availability to the TrulyMobile SCADA host.
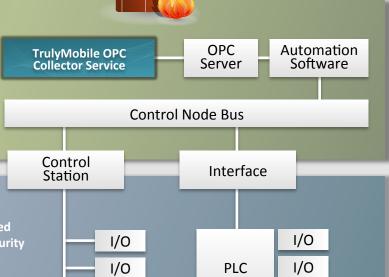
**Databases**

## Controls Network

This is the network that carries the process control device communications. The TrulyMobile SCADA OPC Collector Service is installed next to OPC servers at this level.

A single TCP/IP port must be configured for communication with the TrulyMobile SCADA Service Host in the DMZ.

**TrulyMobile OPC Collector Service**

**OPC Server**

**Automation Software**

**Control Node Bus**

**Control Station**

**Interface**

## Field I/O

Communications that occur in this zone are typically direct hardwired communications between the I/O devices and their controllers. Security is accomplished by physical security means.

TrulyMobile SCADA has no access to this level.

I/O

I/O

I/O

PLC

I/O

I/O

I/O