

# Collector for ArcGIS

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2016 ESRI  
**PETROLEUM**  
GIS CONFERENCE



# Esri strategy toward mobile apps

- Extend the reach of Web GIS
- Target specific functional needs
- Work together on your device
- Office and Field integration
- Platform agnostic





# Field Operations with ArcGIS



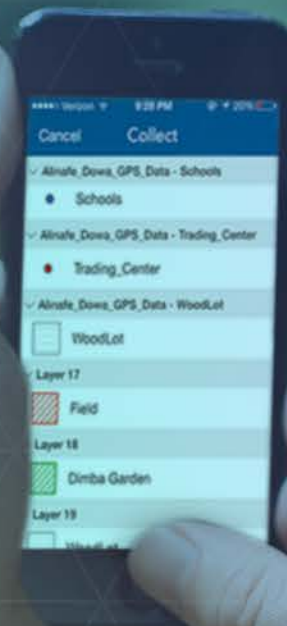


# Collector for ArcGIS

Map Centric Data Collection

High Precision

Works offline





# Collector for ArcGIS | ArcGIS Platform Integration

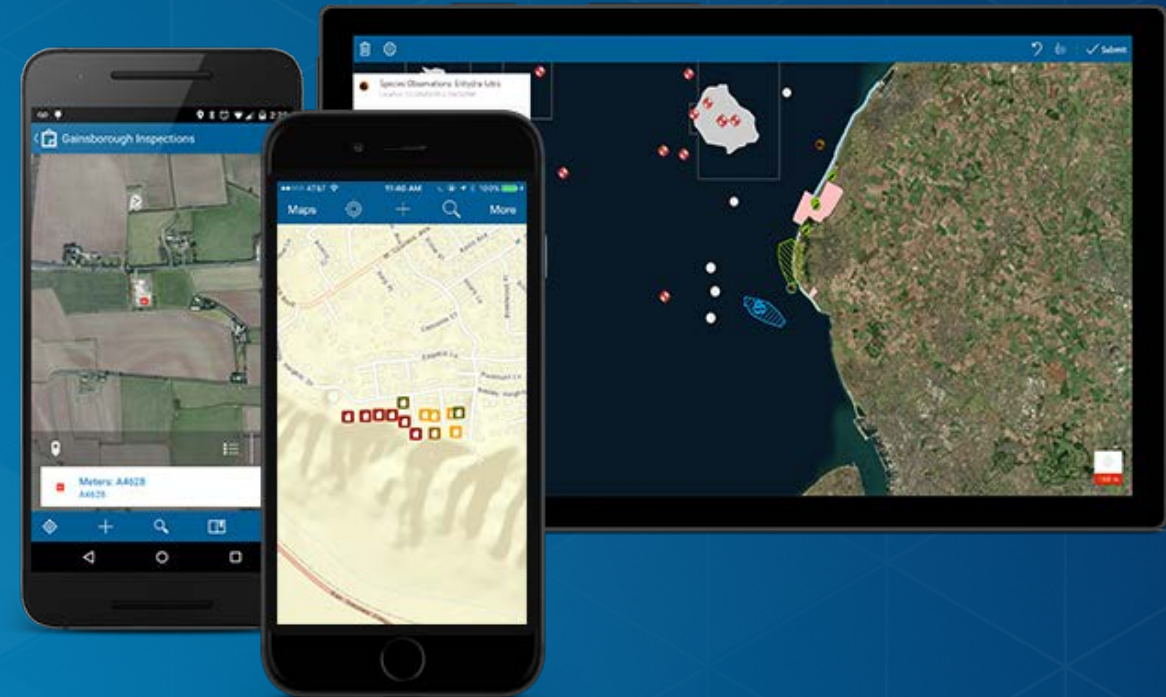


- **Identity**

- ArcGIS Online or Portal for ArcGIS Identity
- Enterprise Identity
- SAML provider
- Multi-factor authentication

- **Maps**

- Created using ArcGIS Online/Portal for ArcGIS
- Maps can be shared across organizations
- Layers based upon web services (Hosted or On-Premises)
- Download them to your device or connected



# Collector for ArcGIS | Edit Using Feature Layers

- **Supported Types:**
  - ArcGIS Online (Hosted)
  - ArcGIS Server (On Premise)
- **Supported Operations:**
  - Editing options
  - Sync capabilities
- **Popups and fields:**
  - Define the form experience in Collector
  - Take advantage of Geodatabase capabilities
    - Domains and Subtypes
    - Related Tables
    - Feature Templates
    - Field validation
    - Editor tracking

**Editing**

- ☒ Enable editing and allow editors to:
  - ☒ Add, update, and delete features
  - ☐ Update feature attributes only
  - ☐ Add features only
- Export Data** ☐ Allow others to export to different formats.
- Sync** ☒ Enable Sync (disconnected editing with synchronization).
- Track Edits** ☐ Keep track of who created and last updated features.

**Configure Attributes**

Check the fields you want to display. Select a field to change its alias, order it, and format it.

Display	Field Name	Field Alias
<input type="checkbox"/>	{OBJECTID}	OBJECTID
<input checked="" type="checkbox"/>	{REPRESENT}	Owner / Occupant
<input checked="" type="checkbox"/>	{PRIMRES}	Primary Residence
<input checked="" type="checkbox"/>	{HABITABLE}	Habitable
<input checked="" type="checkbox"/>	{NUMOCCUP}	Number of Occupants
<input checked="" type="checkbox"/>	{STRINSUR}	Structure Insured
<input checked="" type="checkbox"/>	{EARINSUR}	Earthquake Coverage
<input checked="" type="checkbox"/>	{FLOODINSUR}	Flood Coverage

**Create Features**

Damage to Residential Buildings

- ☒ Affected ☐ Destroyed
- ☐ Inaccessible ☒ Major
- ☐ Minor

Field Name	Data Type
SHAPE	Geometry
REPRESENT	Text
PRIMRES	Text
HABITABLE	Text
NUMOCCUP	Long Integer
STRINSUR	Text
EARINSUR	Text
FLOODINSUR	Text
FIREINSUR	Text
DEDUCT	Double
PREDISVAL	Double
STRLOSS	Double
TYPDAMAGE	Text

Click any field to see its properties.

**Field Properties**

Alias	Extent of Damage
Allow NULL values	Yes
Default Value	
Domain	daDegreeDamage
Length	20

Import...

To add a new field, type the name into an empty row in the Field Name column, click in the Data Type column to choose the data type, then edit the Field Properties.

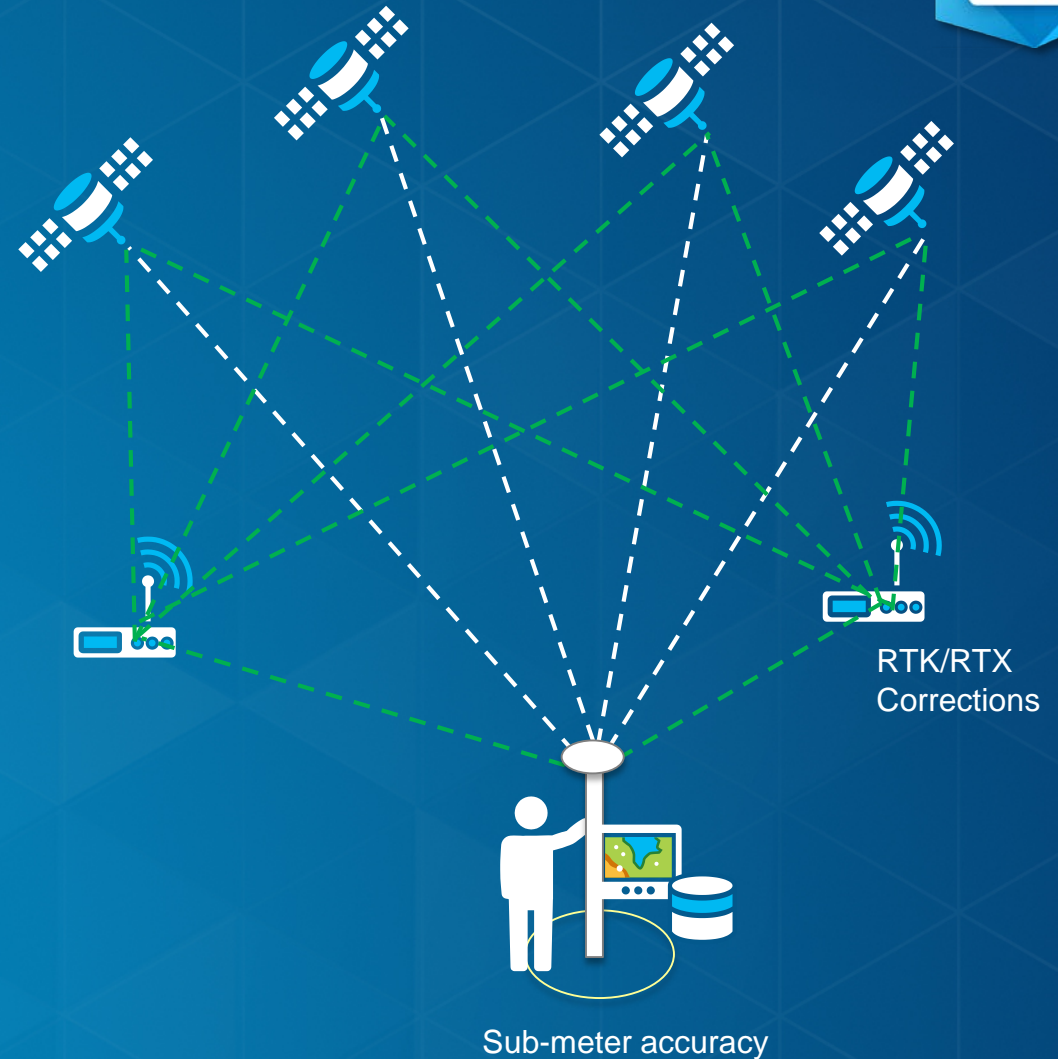


**Demo**

# Collector for ArcGIS | What's Coming



- Support for Windows 10 Mobile
- Locational Accuracy:
  - External GNSS receiver
  - Display and filter collection by accuracy
  - Datum transformations
  - Metadata and alerts





# Collector for ArcGIS | Getting Started



Jump-start with templates



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## As-Built Mapping

As-built mapping enabled field crews to sketch the location of new or reconstructed mains and include a photo of the as-built.

[Service Definition by ArcGISforGas](#)

Last Modified: April 20, 2015

★★★★★ (0 ratings, 0 comments, 2,313 views)



[Open](#) [Details](#)

## DamageAssessment

Map layers used to collect and report damage to the distribution network

[Service Definition by ArcGISforElectric](#)

Last Modified: June 27, 2015

★★★★★ (0 ratings, 0 comments, 1,076 views)



[Open](#) [Details](#)

## Water Quality Sampling

Water Quality Monitoring Sites

[Service Definition by ArcGISTeamStateGov](#)

Last Modified: March 17, 2015

★★★★★ (0 ratings, 0 comments, 908 views)



[Open](#) [Details](#)

## Public Safety Damage Assessment

Emergency Management Damage Assessment Survey Template

[Service Definition by esri\\_collector](#)

Last Modified: February 27, 2014

★★★★★ (0 ratings, 0 comments, 829 views)



[Open](#) [Details](#)

## Worker Status

The Worker Status service can be used by your field workforce to Check In during an emergency event.

[Service Definition by esri\\_collector](#)

Last Modified: May 13, 2014

★★★★★ (0 ratings, 0 comments, 674 views)





