

Consolidating Mobile GIS Data with Mobile Field Data



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Ameren Gas

- Spans 64,000 square mile over 2 states (IL & MO)
- 900,000 natural gas customers
- 1,290 communities
- 1,304 miles of transmission
- 19,900 miles of distribution
- 12 storage fields

- Combination of 4 legacy companies starting in 1853



FOCUSED ENERGY. For life.

Introducing ClickSoftware



Leadership

- **Market leader** in workforce management and enterprise mobility –
- Recognized by **Gartner** as a leader for the third consecutive year –
- **Worldwide blue-chip customers** using our solutions –

Fundamentals

- § NASDAQ listed “CKSW” since June 2000
- § 2013 record revenues: \$103.2 million
- § Q4-2013 record revenues: \$30.7 million
- § Strong cash generation, no debt
- § 2014 guidance: \$111-115 million
- § Strong momentum in **cloud** business – Q4 bookings for cloud more than doubled y/y

Global Presence

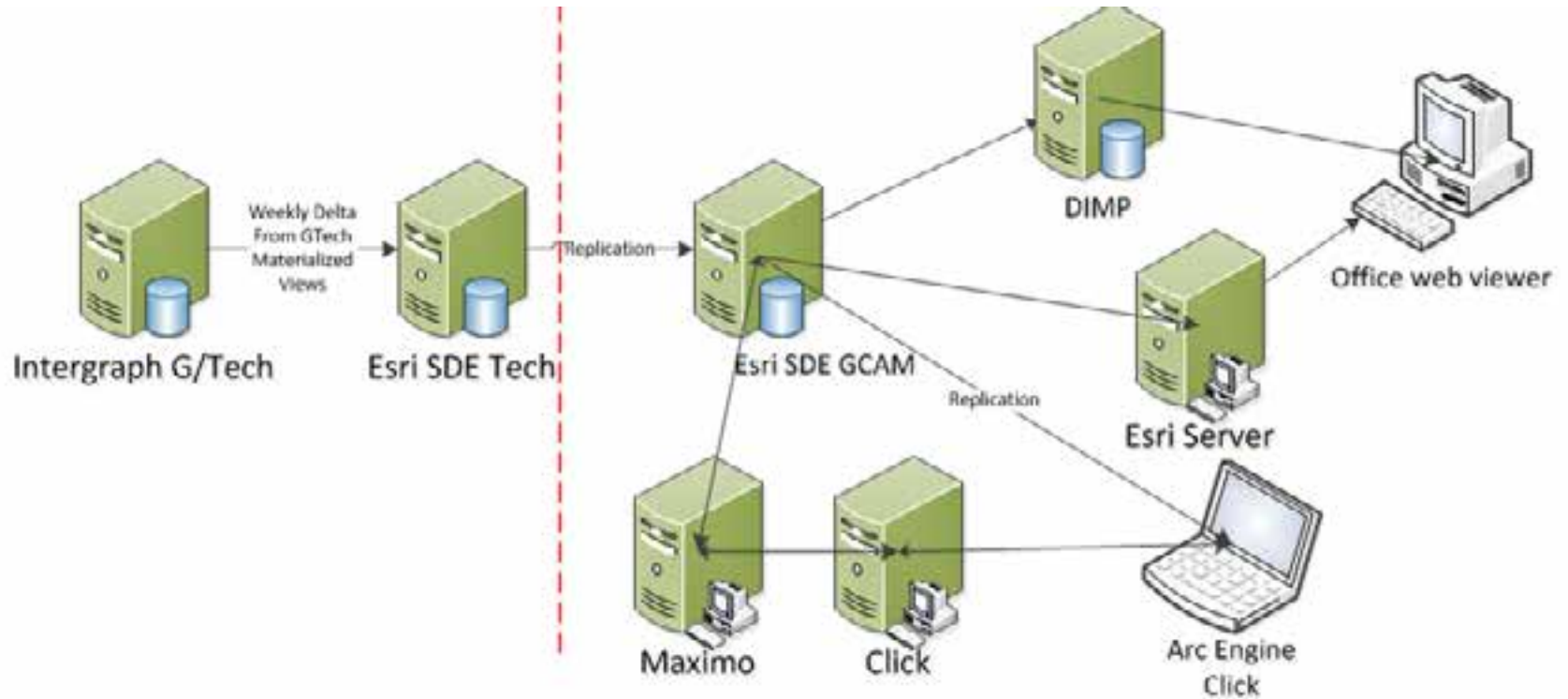
- § Offices in Americas, EMEA, and APAC
- § Over 600+ employees worldwide
- § Eco system of major players, such as SAP, IBM, Accenture, Salesforce
- § 250+ customers worldwide, ~80 utilities
- § Hundreds of thousands of service people managed by ClickSoftware solutions every day

GCAM

- Gas Compliance Asset Management
 - Enterprise Asset Management (EAM)
 - Mobile Solution
 - Integration with GIS



Architecture



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Workflow

Order Creation

Manual Order Creation

- Compliance orders



EAM

Automated Order Creation

- Compliance orders



EAM

Order Assignment

Operations Supervisors



ClickSchedule version 8.1.5
Web Client

Automated Task Assignment

- Cathodic Protection Tasks
- Emergency Valve Tasks



ClickSchedule version 8.1.10

Order Completion

Field Technicians

- Work order execution



ClickMobile Classic

Analytics and Reporting

Enterprise/Management Users



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Leak Survey - Paper

Old Way

- Map Sheets
- Manual Process
- Paper Based
- Lack of Visibility



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Leak Survey - Digital

New Way

- Esri Maps
- Digital Data Collection
- Connected / Disconnected
- Supervisor Visibility



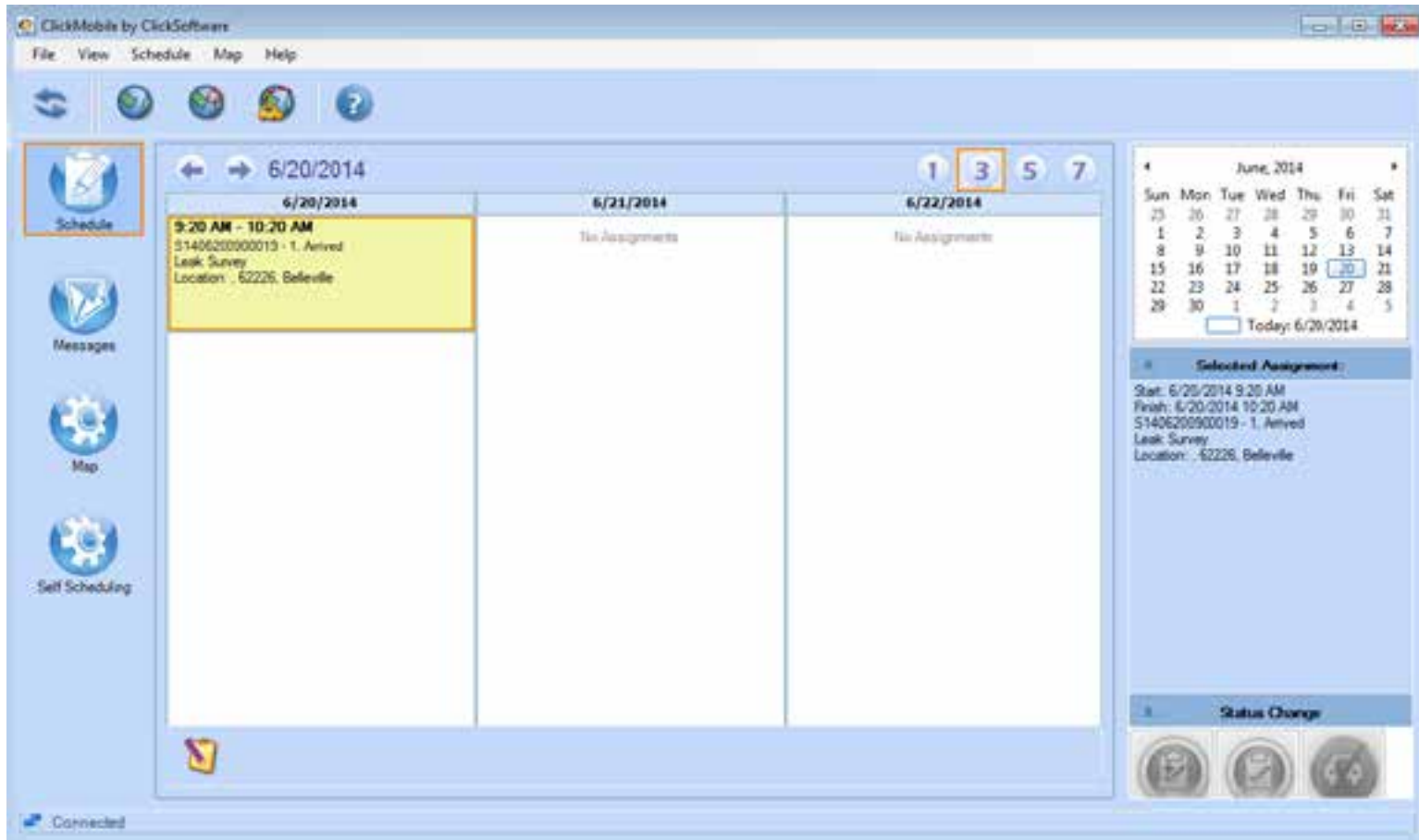
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Demonstration

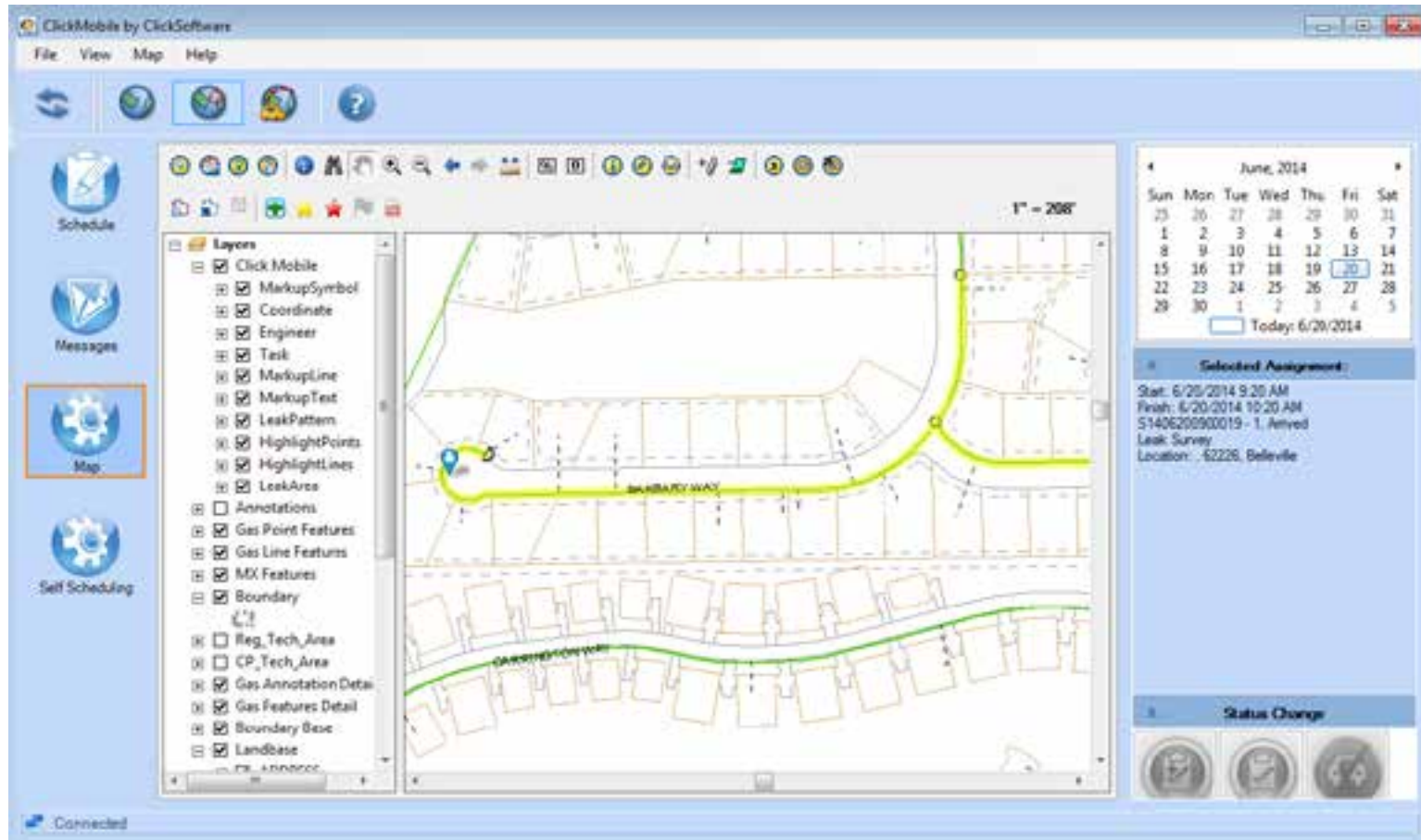


Leak Survey

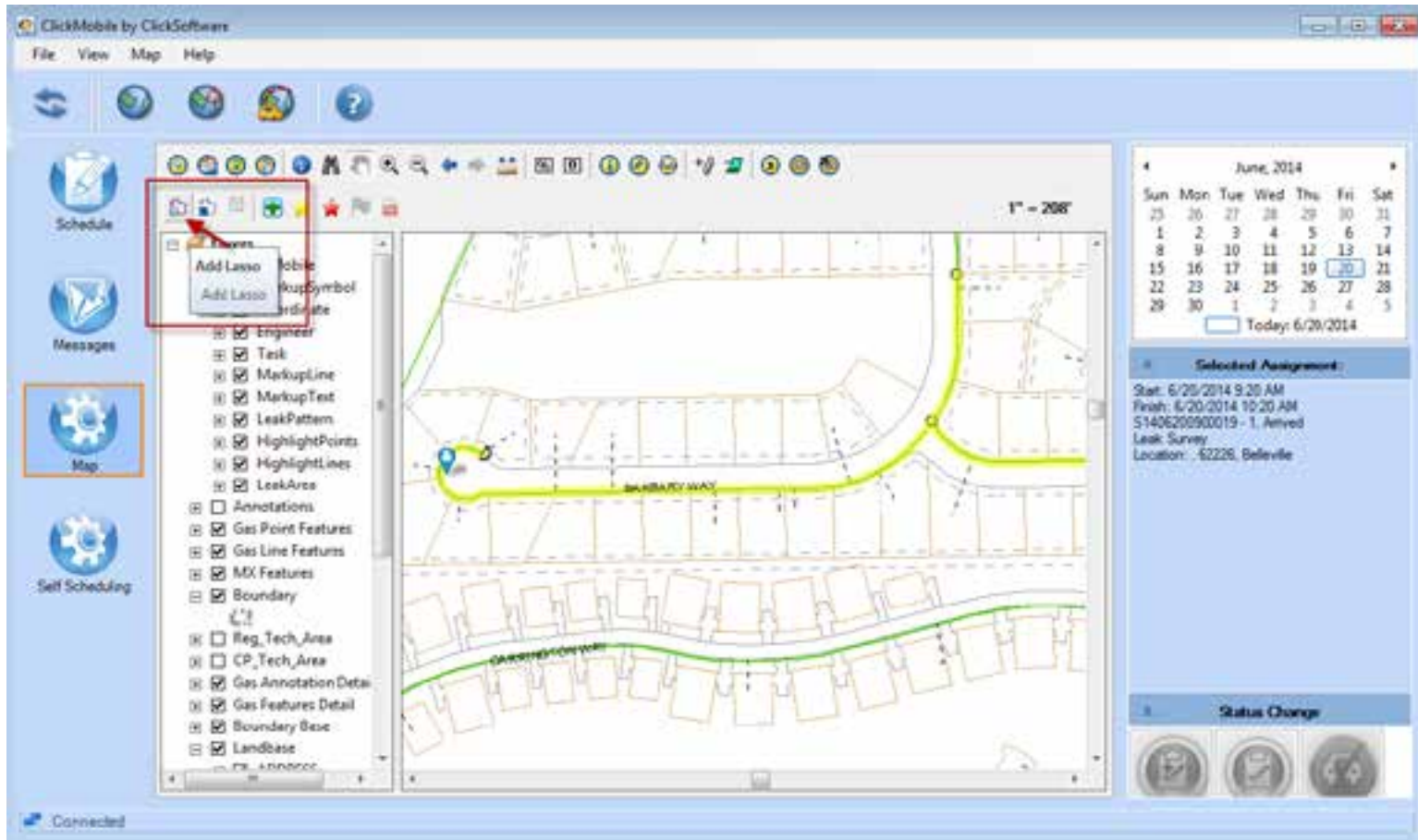
ClickMobile



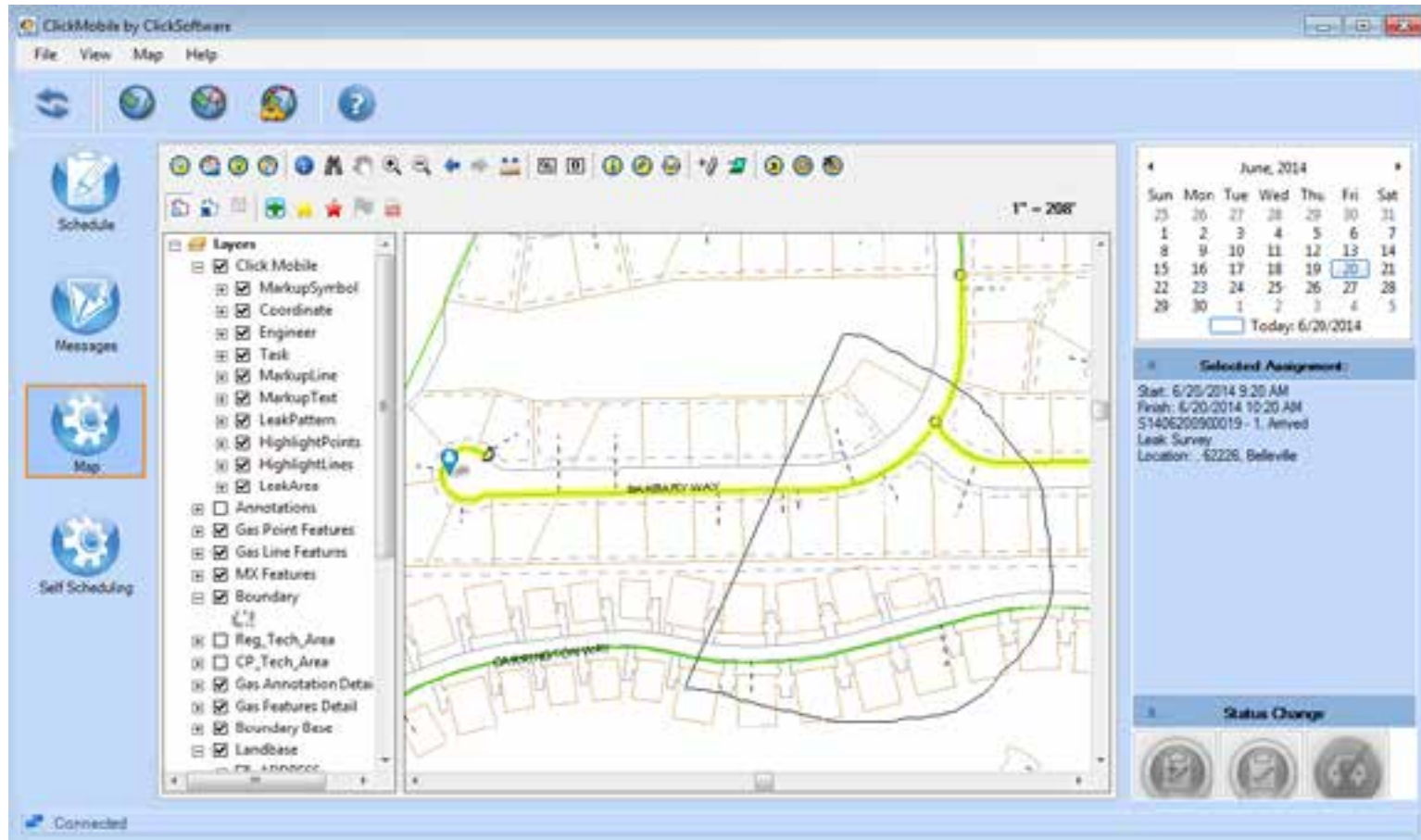
Esri on ClickMobile



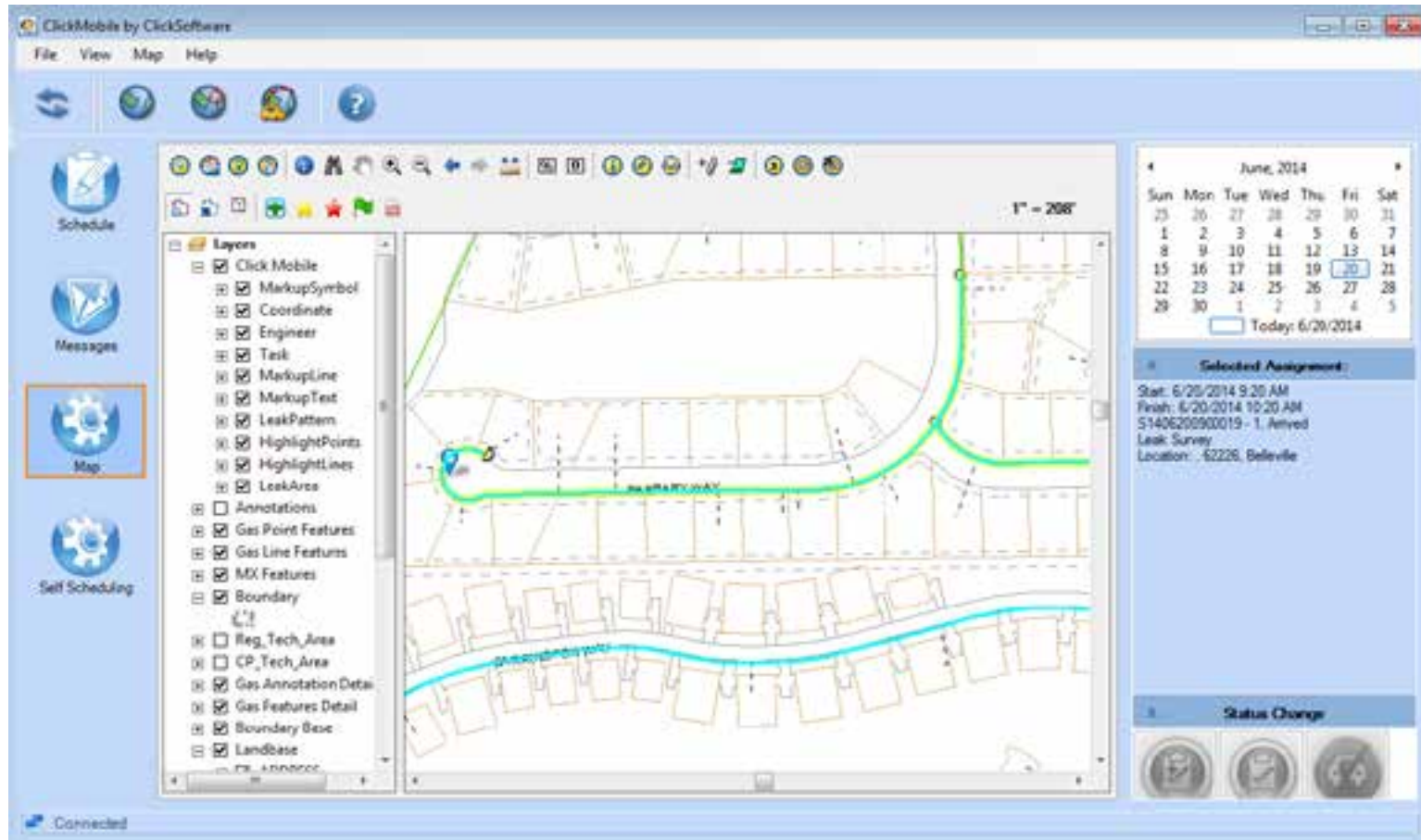
Esri on ClickMobile



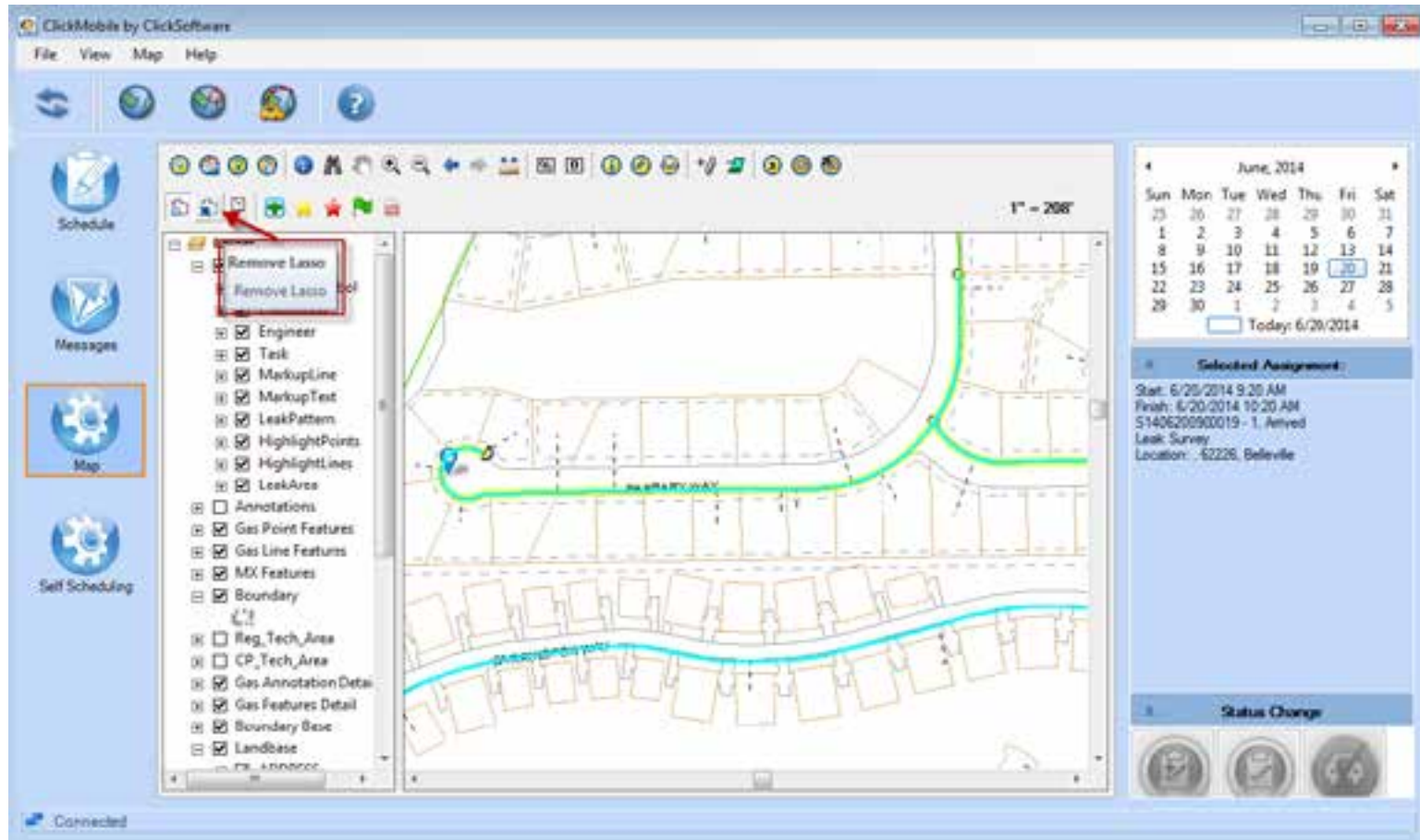
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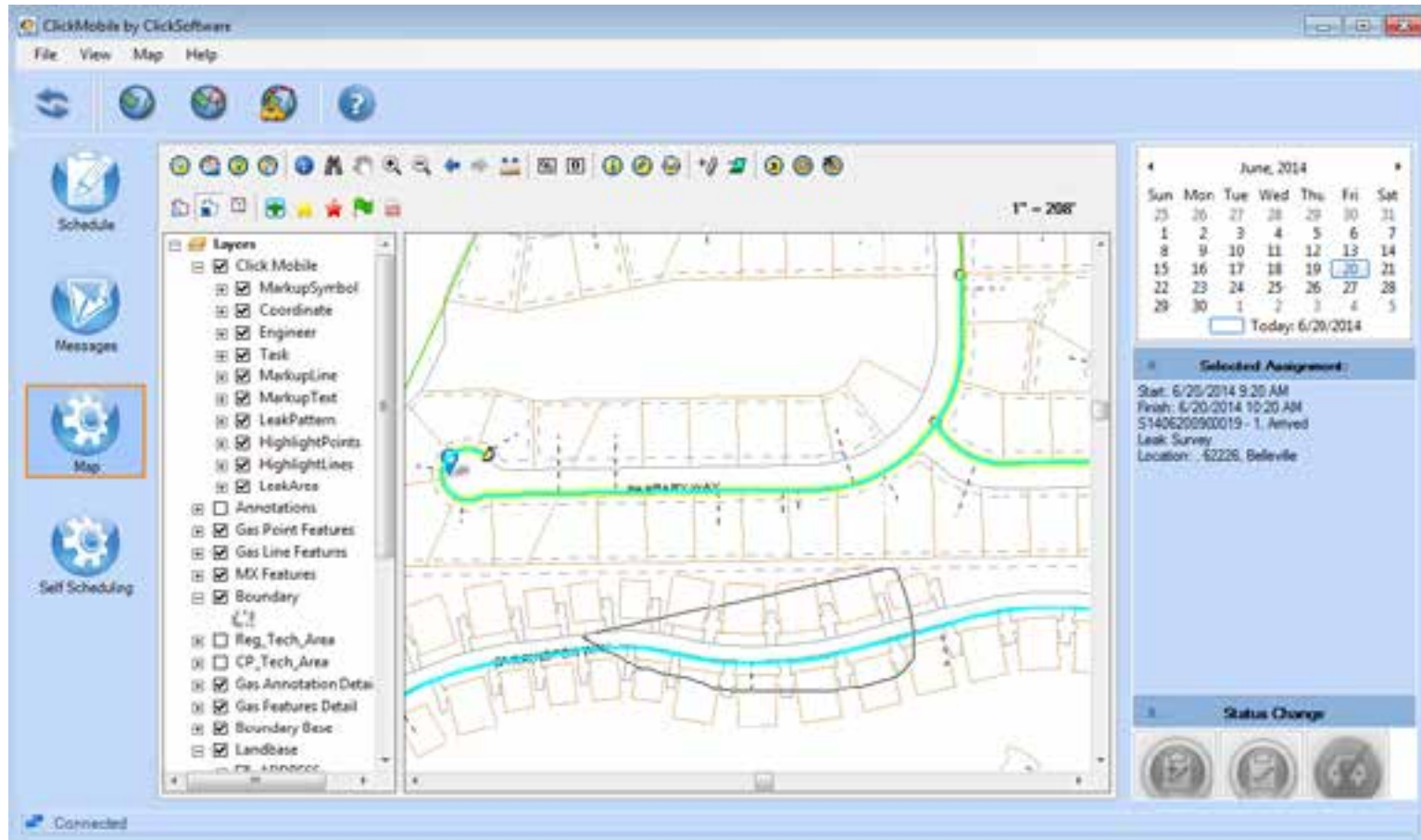
Esri on ClickMobile



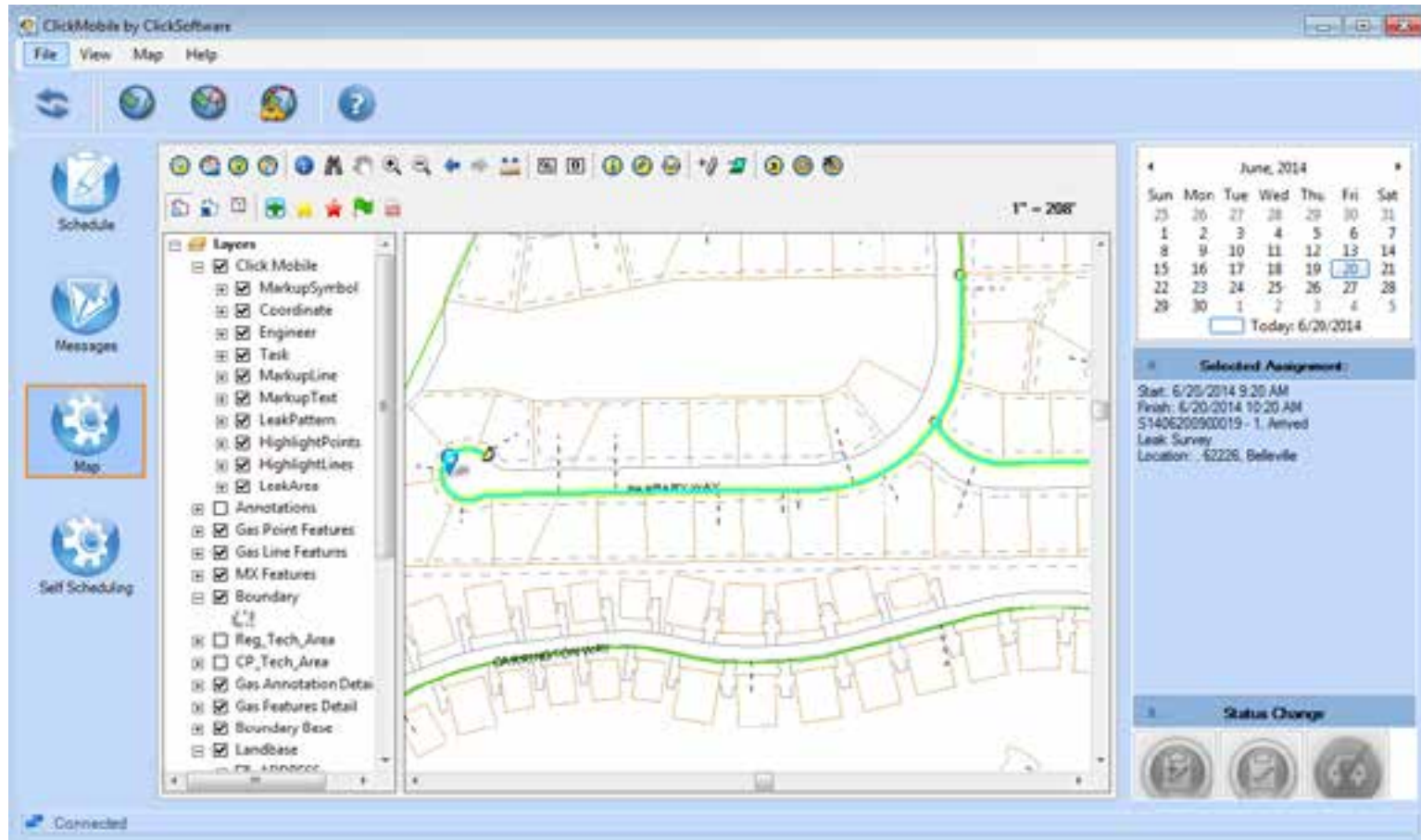
Esri on ClickMobile



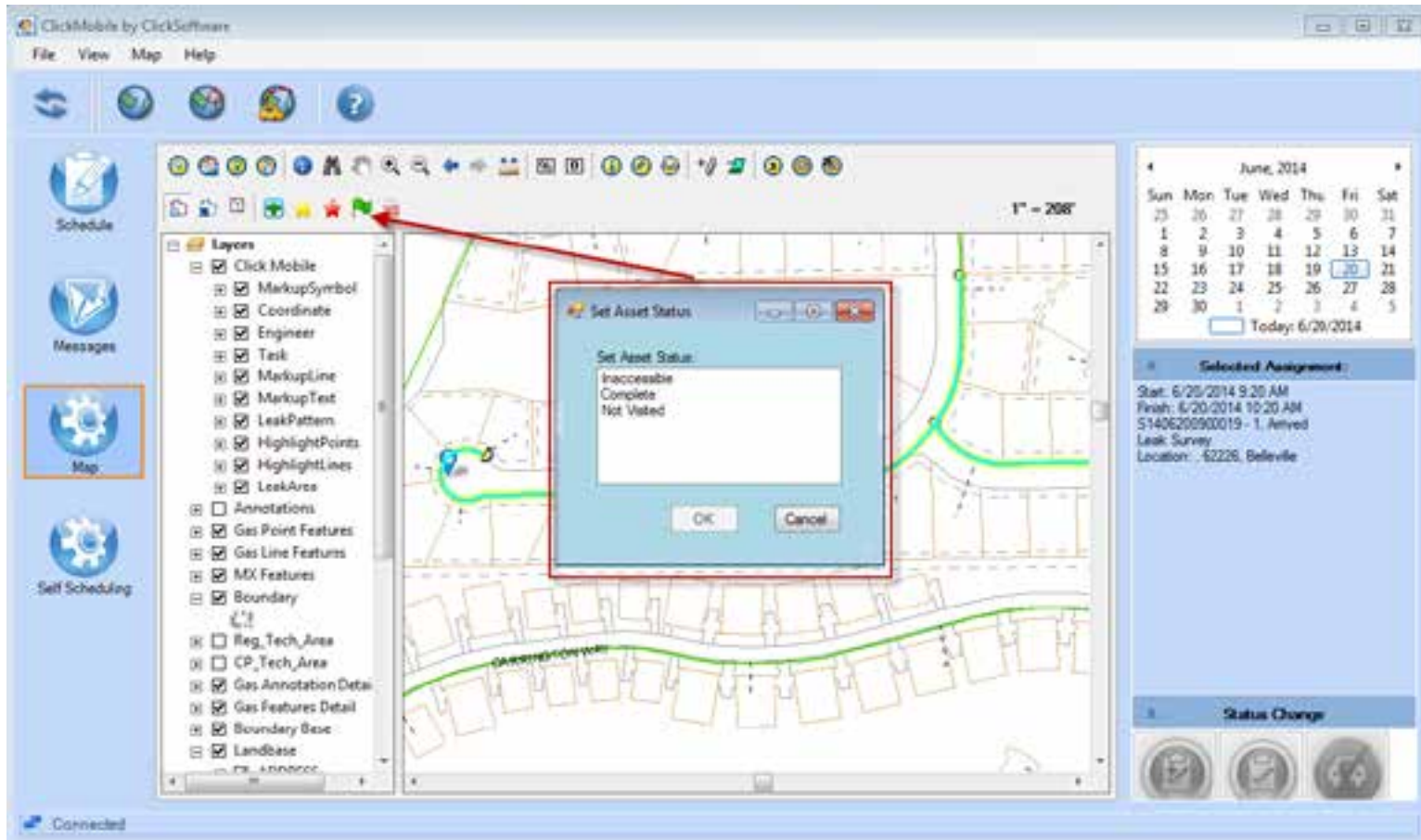
Esri on ClickMobile



Esri on ClickMobile



Esri on ClickMobile



Esri on ClickMobile

The screenshot displays the ClickMobile application interface. On the left, there is a vertical toolbar with icons for Schedule, Messages, Map (highlighted with an orange box), and Self Scheduling. The main area shows a map with a green line representing a gas line. A 'Layers' panel on the left lists various map features, including Click Mobile, MarkupSymbol, Coordinate, Engineer, Task, MarkupLine, MarkupText, LeakPattern, HighlightPoints, HighlightLines, LeakArea, Annotations, Gas Point Features, Gas Line Features, MX Features, Boundary, Reg_Tech_Area, CP_Tech_Area, Gas Annotation Detail, Gas Features Detail, Boundary Base, and Landbase. A central window titled 'AssetStatusSummary' is open, displaying a table with the following data:

AssetID	Task	Asset Status
S1406200900019 - 1	S1406200900019 - 1	Status Updated to Complete
S1406200900019 - 1	S1406200900019 - 1	Status Updated to Complete
S1406200900019 - 1	S1406200900019 - 1	Status Updated to Complete

Below the table is a blacked-out area and an 'OK' button. On the right side of the interface, there is a calendar for June 2014, showing the 20th as the selected date. Below the calendar, there is a 'Selected Assignment' section with the following details: Start: 6/20/2014 9:20 AM, Finish: 6/20/2014 10:20 AM, S1406200900019 - 1, Arrived, Leak Survey, Location: -52226, Belleville. At the bottom right, there is a 'Status Change' section with three circular icons.



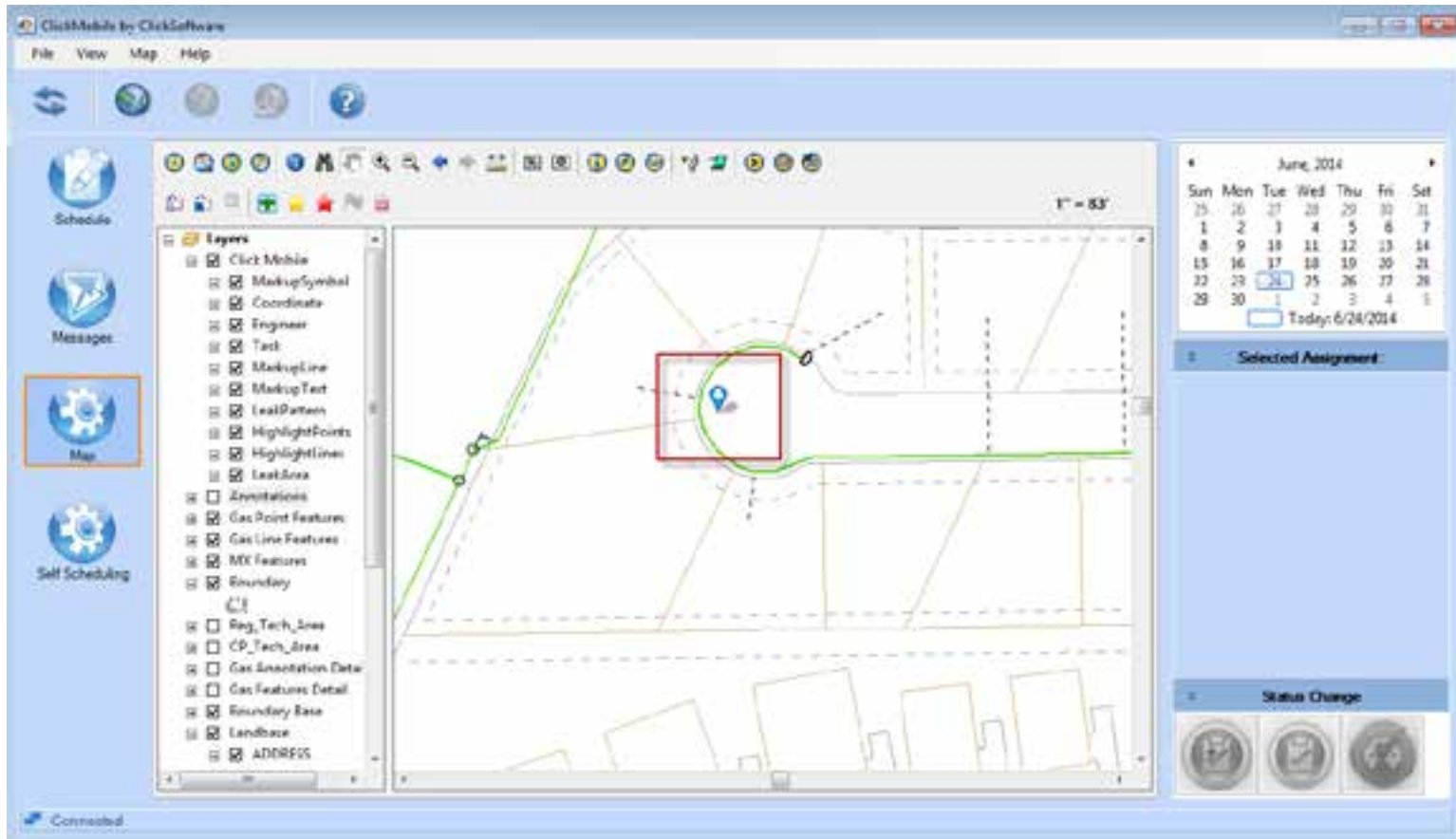
Leak Surveillance

Esri on ClickMobile

The screenshot displays the ClickMobile application interface for 'Self Scheduling'. The window title is 'ClickMobile by ClickSoftware'. The menu bar includes 'File', 'View', 'Map', and 'Help'. The interface features a sidebar with icons for 'Schedule', 'Messages', 'Map', and 'Self Scheduling' (which is highlighted with a red box). The main area is titled 'Self Scheduling' and contains a search bar with the text 'Find available tasks that can be scheduled: Today'. Below this is a table of tasks with the following columns: Scheduling State, Distance (Miles), CallID, Number, Task Type, DueDate, Duration, Region, and District. The table lists several tasks, with the row for 'Leak Survey' (CallID: T140623100027) highlighted in red. To the right of the table is a calendar for June 2014, showing the current date as 6/24/2014. Below the calendar are sections for 'Selected Assignment' and 'Status Change' with associated icons. The bottom status bar shows 'Last Update: 2014-06-24 14:22' and 'Connected'.

Scheduling State	Distance (Miles)	CallID	Number	Task Type	DueDate	Duration	Region	District
Available	0.0	1405261100746	1	Corrosion Control Reading	11/26/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	0.0	1405261300750	1	Corrosion Control Reading	11/26/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	0.0	S140409100796	1	Corrosion Control Reading	8/30/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	0.0	MT_41385984	1	Corrosion Control Reading	8/30/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	4.5	odorosencioner4	1	Odorier Wick Inspection	6/18/2014 4:48 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	4.5	odorosencioner5	1	Odorier Wick Inspection	6/18/2014 4:51 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	5.4	T140623100027	1	Leak Survey	11/20/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	7.5	S140619100015	1	Leak Surveillance	6/20/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	32.0	A140616100004	1	Pipeline Patrol	12/6/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	32.0	A140617000007	1	Pipeline Patrol	11/18/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	32.0	A140617000008	1	Pipeline Patrol	11/18/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE

Esri on ClickMobile



Esri on ClickMobile

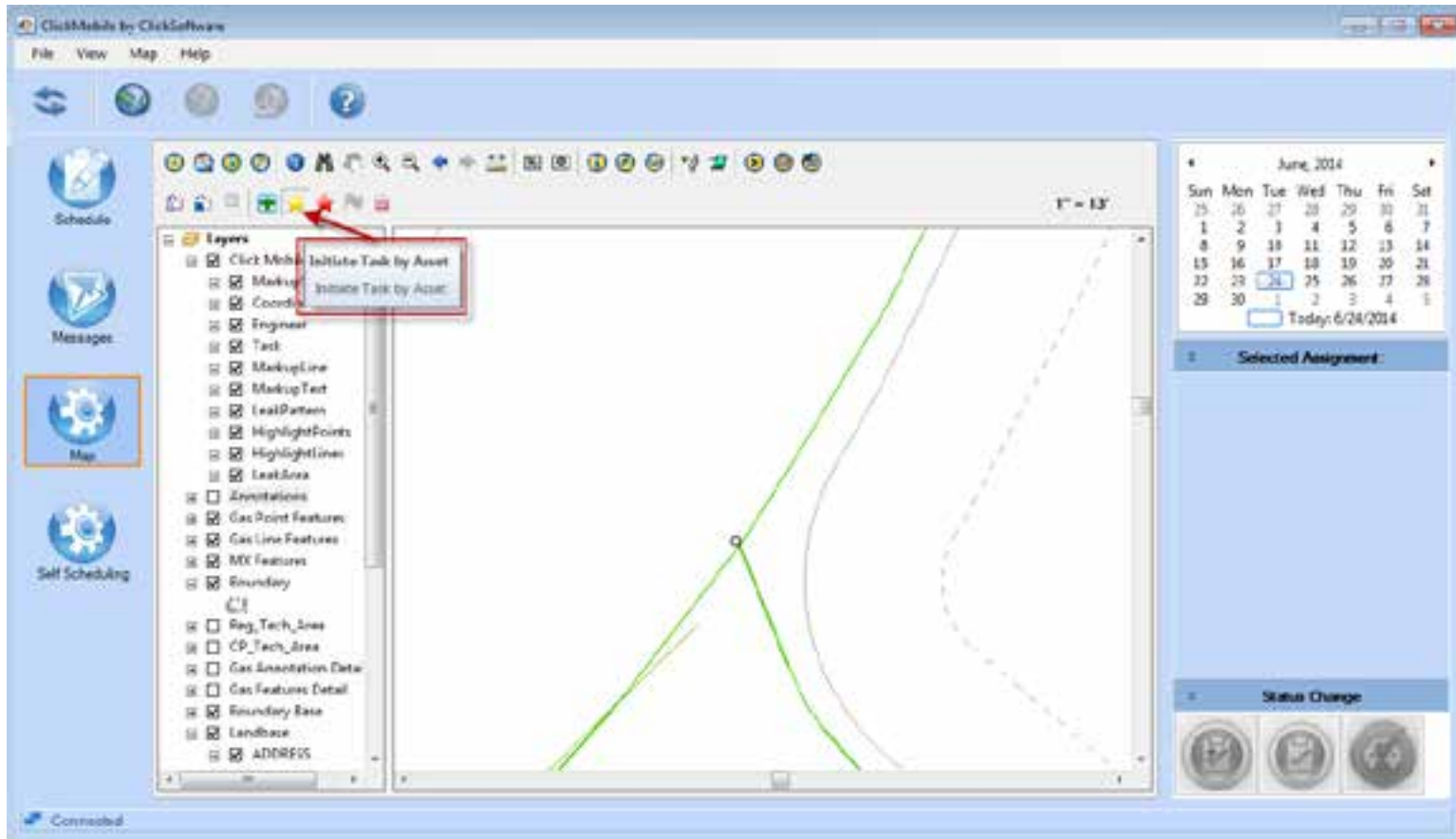
The screenshot displays the ClickMobile application interface for 'Self Scheduling'. The main window title is 'ClickMobile by ClickSoftware'. The interface includes a menu bar (File, View, Map, Help) and a toolbar with navigation icons. A sidebar on the left contains icons for Schedule, Messages, Map, and Self Scheduling (which is highlighted with a red box). The central area is titled 'Self Scheduling' and features a search filter set to 'Today'. Below the filter is a table of tasks with the following columns: Scheduling State, Distance (Miles), CallID, Number, Task Type, DueDate, Duration, Region, and District. One task is highlighted with a red border: 'Scheduled for 2' at 7.5 miles, CallID 'S140619100015', Number '1', Task Type 'Leak Surveys', DueDate '6/20/2014 6:00 PM', Duration '01 hr 00 min', Region 'DIVISION VI', and District 'BELLEVILLE'. To the right of the table is a calendar for June 2014, with the 24th selected and labeled 'Today: 6/24/2014'. Below the calendar are sections for 'Selected Assignment' and 'Status Change' with corresponding icons. The bottom status bar shows 'Last Update: 2014-06-24 14:28' and a 'Connected' indicator.

Scheduling State	Distance (Miles)	CallID	Number	Task Type	DueDate	Duration	Region	District
Available	0.9	(1483261100748	1	Corrosion Control Flooding	11/26/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	0.9	(1483261300750	1	Corrosion Control Flooding	11/26/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	0.9	S140409100796	1	Corrosion Control Flooding	8/20/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	0.9	MT_41385984	1	Corrosion Control Flooding	8/20/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	4.5	odorosencioner4	1	Odoriser Wick Inspection	6/18/2014 4:48 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	4.5	odorosencioner5	1	Odoriser Wick Inspection	6/18/2014 4:51 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	5.4	T1406231000027	1	Leak Surveys	11/20/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Scheduled for 2	7.5	S1406191000015	1	Leak Surveys	6/20/2014 6:00 PM	01 hr 00 min	DIVISION VI	BELLEVILLE
Available	32.0	A1406161000094	1	Pipeline Patrol	12/6/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	32.0	A1406170000007	1	Pipeline Patrol	11/18/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE
Available	32.0	A1406170000008	1	Pipeline Patrol	11/18/2014 6:00 PM	15 min	DIVISION VI	BELLEVILLE

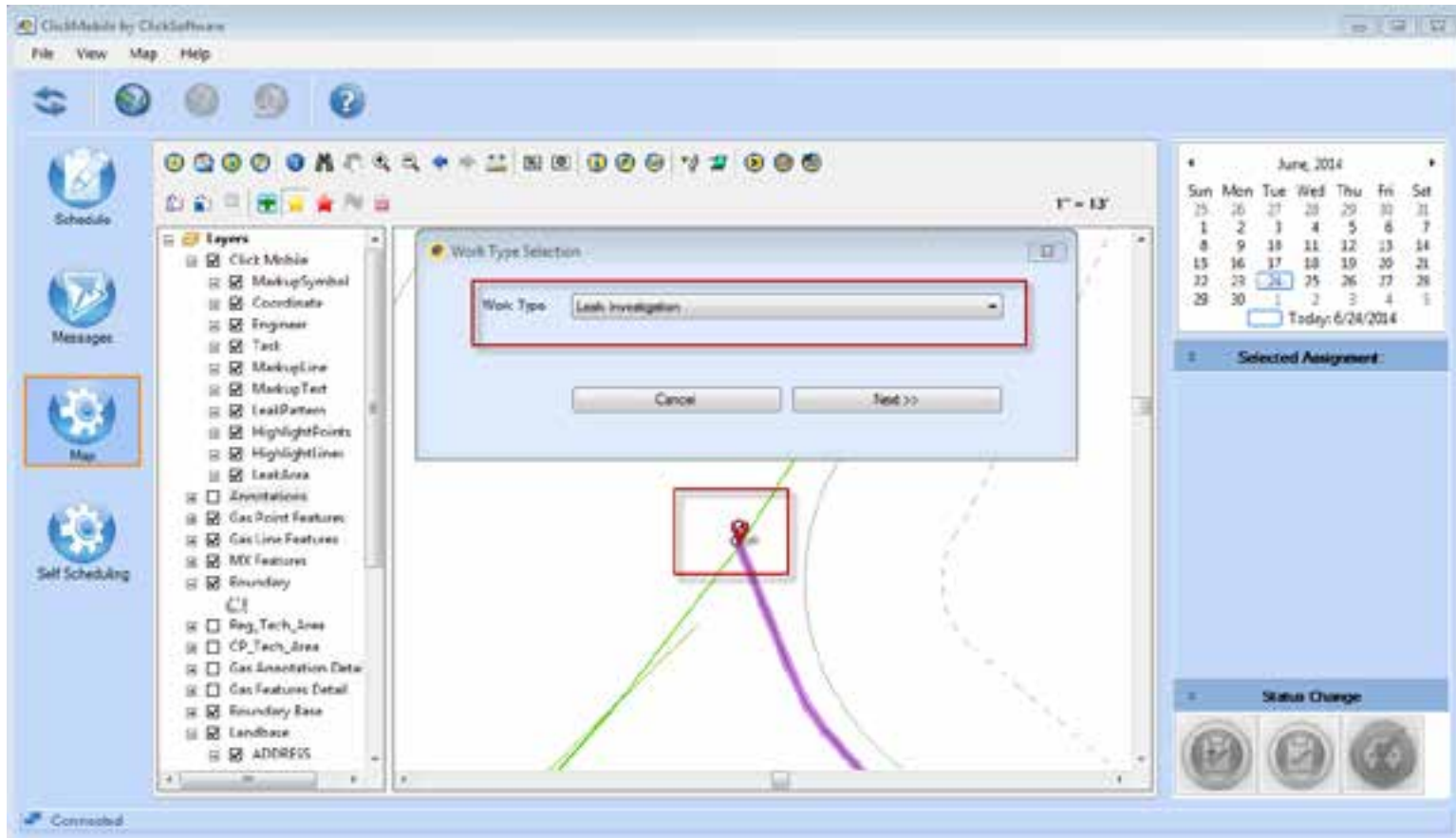


Leak Investigation

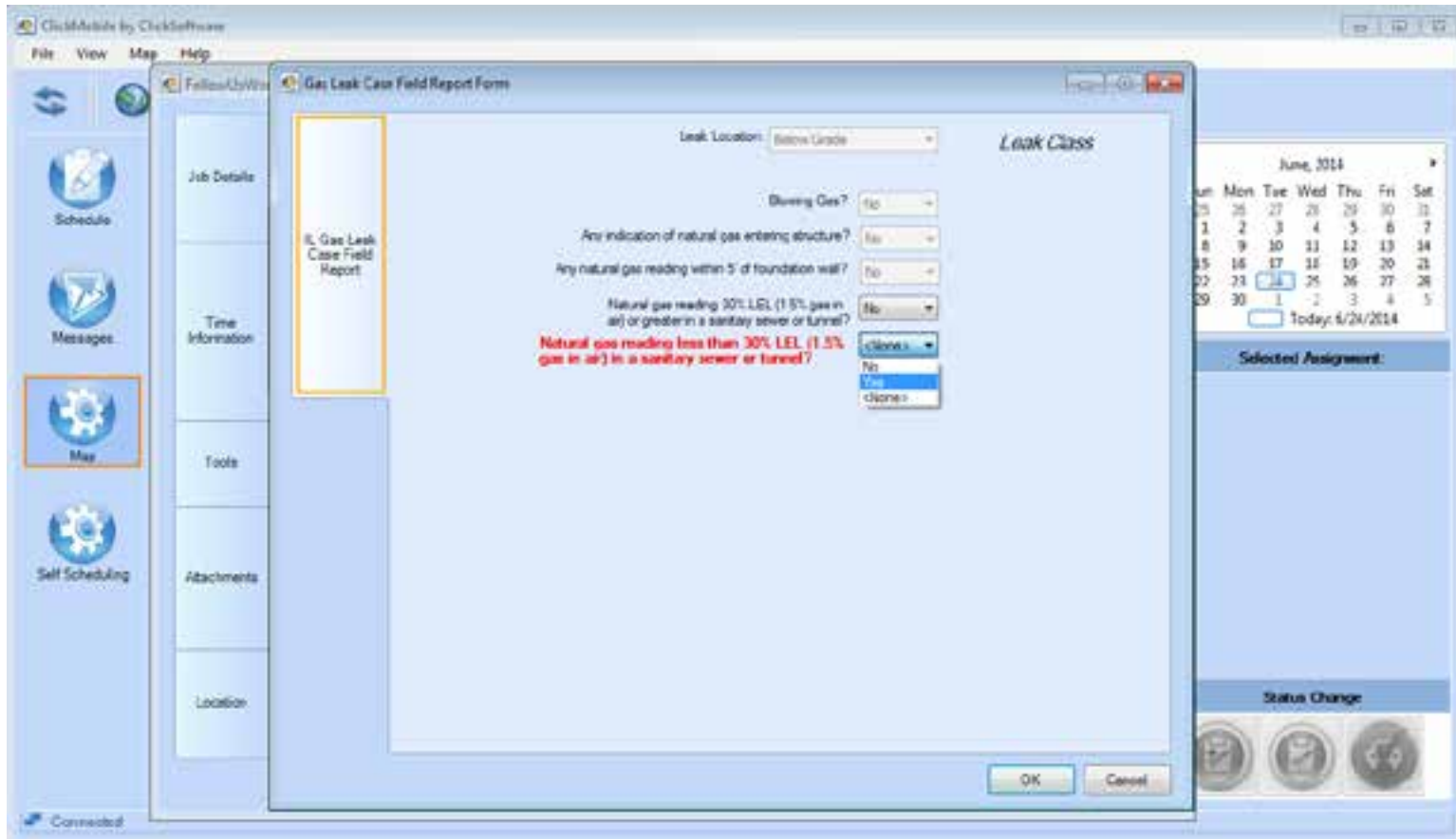
Esri on ClickMobile



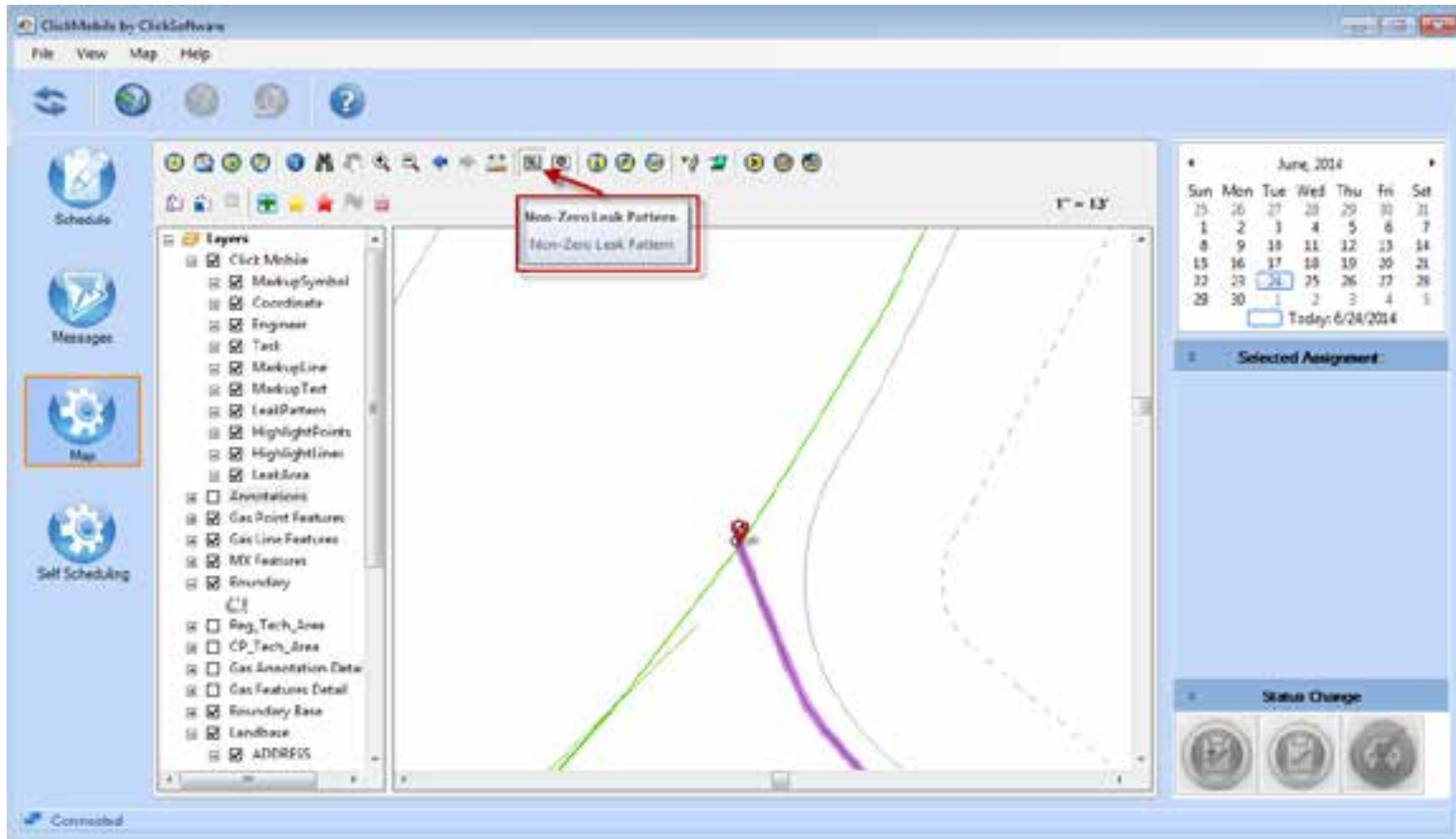
Esri on ClickMobile



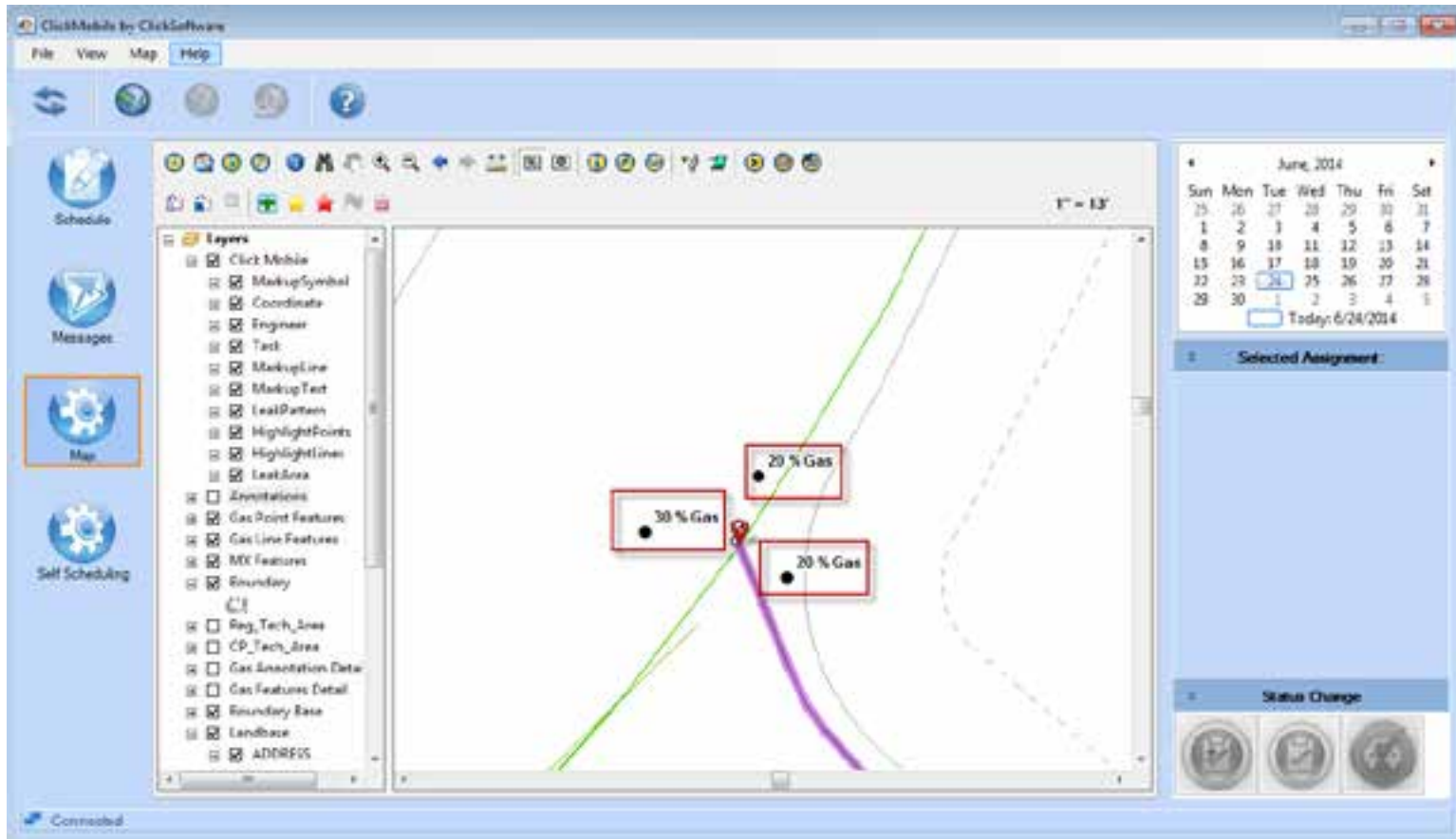
Esri on ClickMobile



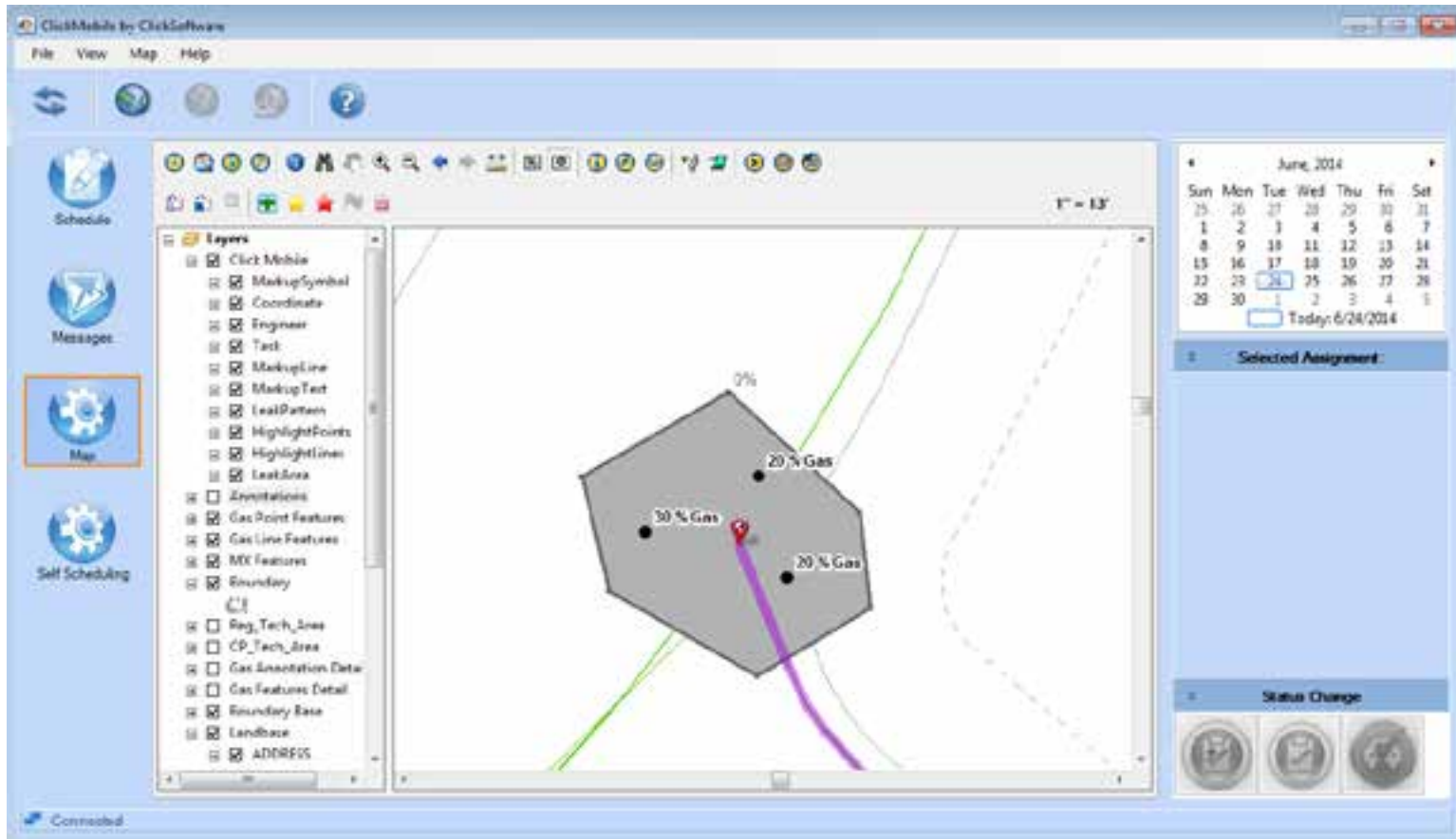
Esri on ClickMobile



Esri on ClickMobile



Esri on ClickMobile





Other GCAM Aspects

- Replicated Service Cards
- Overlapping Territories
- Valve Isolation Trace
- Companion MDTs (future)

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QUESTIONS



ClickSoftware

Making Service Click