

Gislet

GIS Mobile Client for Industry

Online/Offline mobile GIS
for Smartphones and Tablets



What is Gislet?



Solution that will grant you mobile access to your infrastructure data.

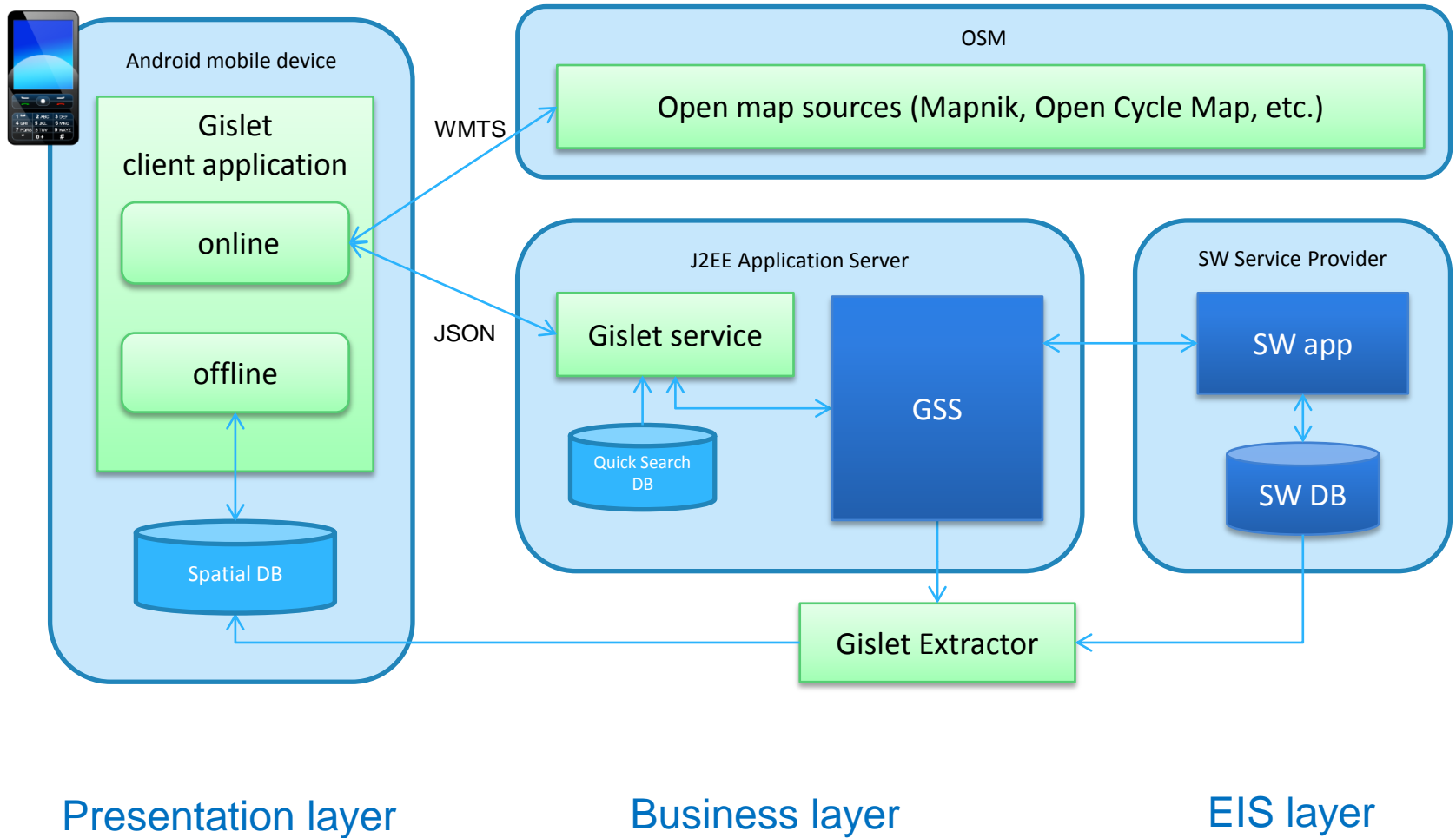


Who is it for?

Gislet is dedicated to field workers, service workers, everyone that needs their company asset data in the field.



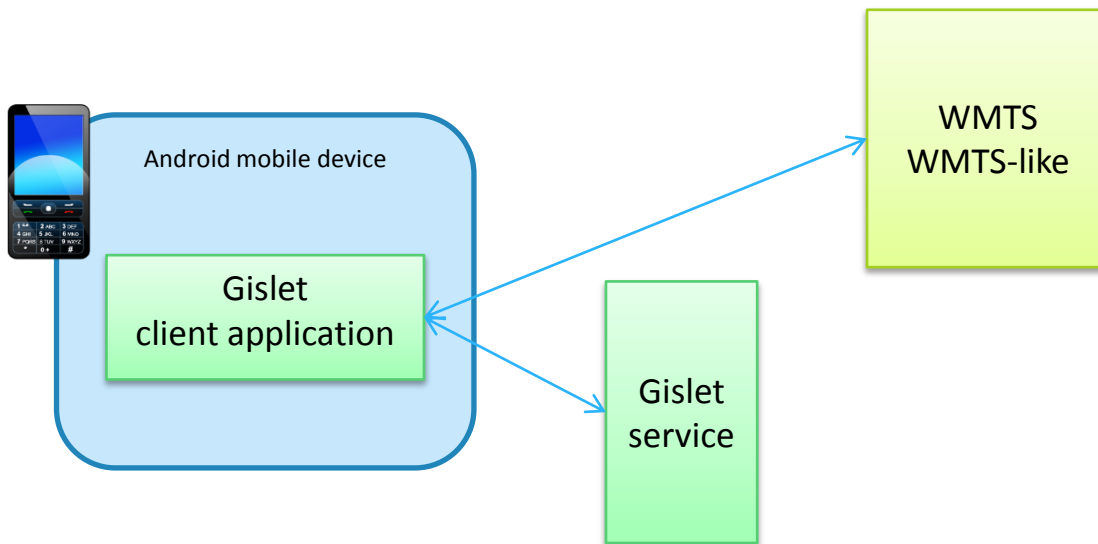
Gislet's Architecture



Gislet client application

The purpose of **Gislet Client Application** is to display GIS data to the user. The main data providers are: **Gislet Service** (Smallworld data) and **OSM Servers** (background data). Thanks to an open architecture, It is also possible to use data supplied by other providers.

Based on OSMDroid library

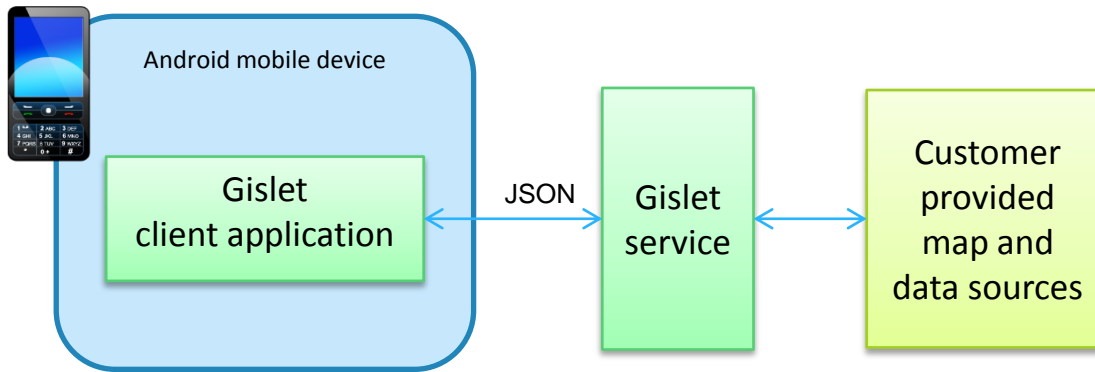


Possible integration:

OSM, Microsoft, Google, Yahoo Maps, many other WMTS (or WMTS-like) sources.

Gislet service

- Gislet service acts as a bridge between the **client application** and GSS
- It is implemented in JAVA (and uses JBOSS as an application server)



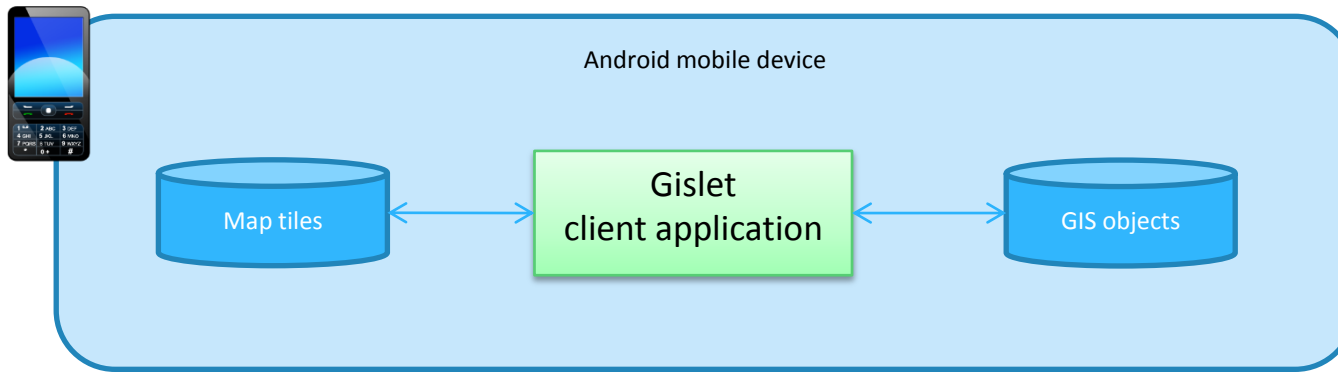
Possible integration:

Any SW GIS application (supported by GSS). Any customizable map and data sources which can provide maps and alphanumeric data. Gislet service is a flexible bridge which can be adapted to various data sources.

Our solution can even cooperate with more dispersed systems where maps are delivered from a different source than the alphanumeric data.

Gislet offline viewer

- Gislet can operate using previously extracted spatial data without network connection
- It has its own spatial databases, so the user can take Gislet into the field without worrying about the network coverage.



Possible integration:

It can be integrated with any SW GIS application (as data source) for data extraction. After the initial process it can be used as a standalone application.

Gislet's Functionalities

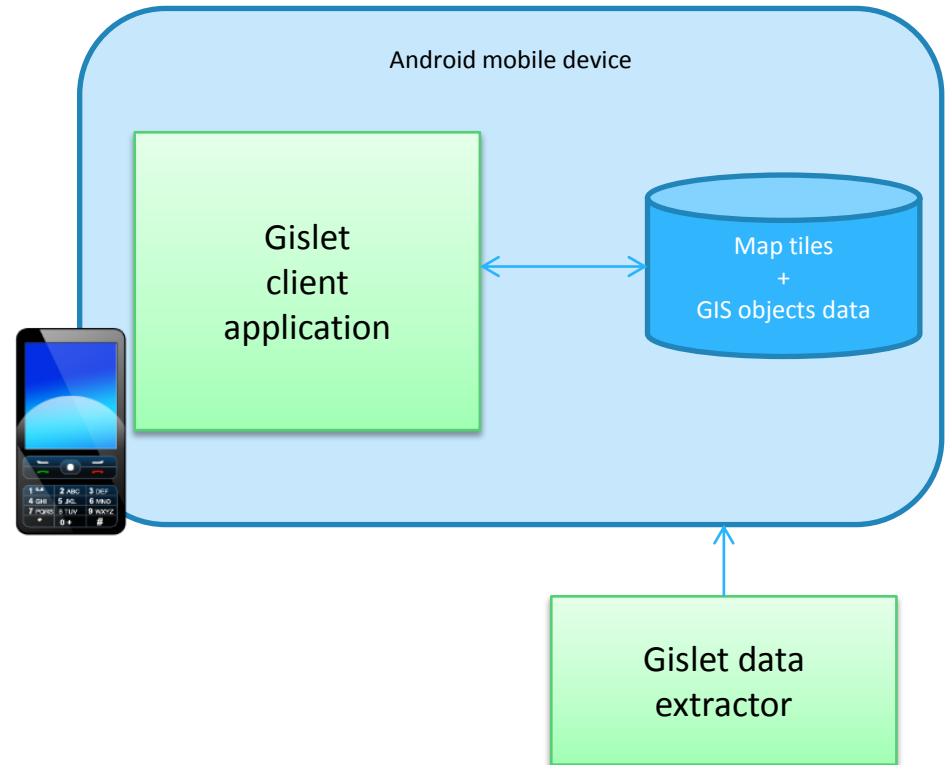


Online and Offline mode

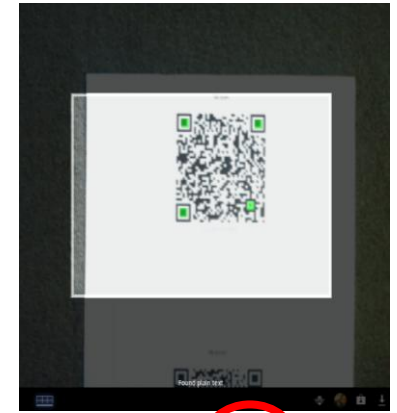
Problem: I want my map data available *off-line*, without necessity to connect to GIS server. *On-line* data access should be an advantage. Extracted maps should be easy to update and manage

Gislet solution:

1. Gislet works in offline and online mode
2. Gislet provides a dedicated Extractor tool for easy management and deployment of extracts.



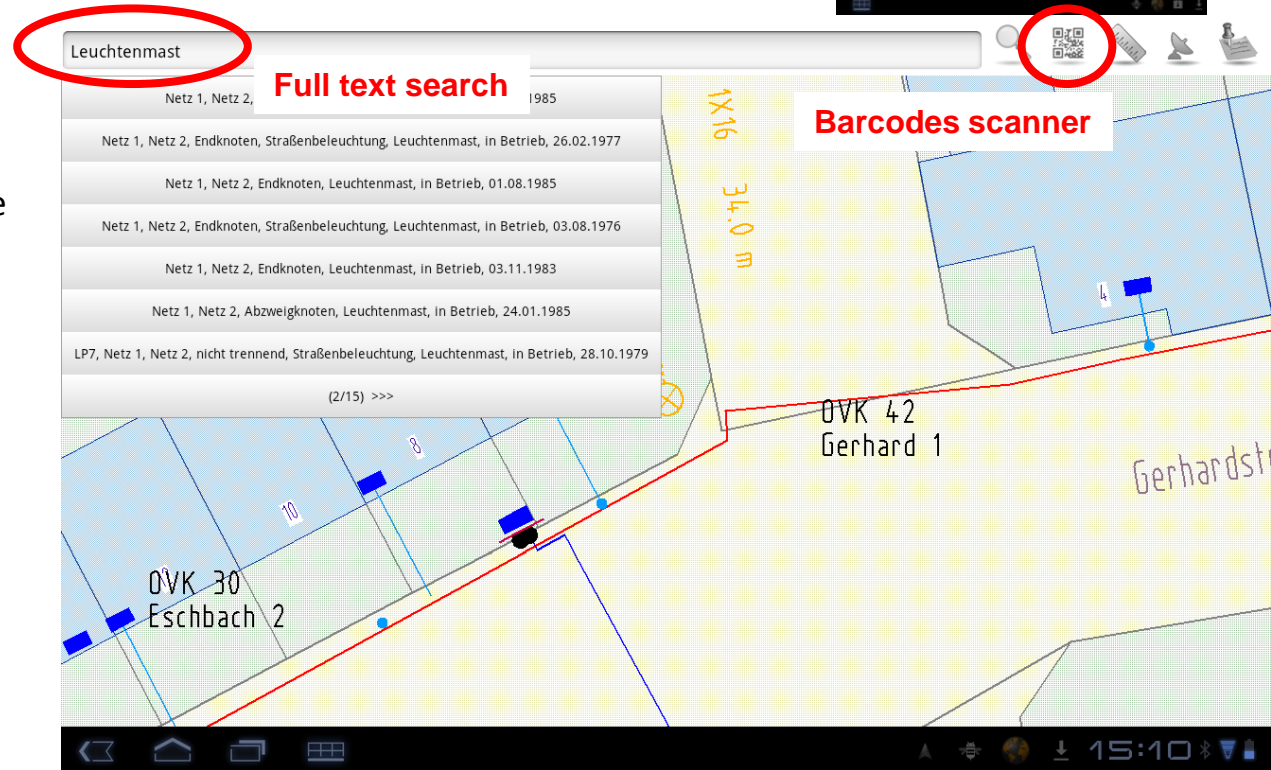
Asset access



Problem: I want to find a specific object and locate it on the map.

Gislet solution:

To find a Smallworld object you can locate it on a map, or use the Google-like full text search. Another option is to use the built-in camera and scan a QR code, that has been stucked on an asset.



Leuchtenmast

Full text search

Barcodes scanner

Netz 1, Netz 2, 1985
Netz 1, Netz 2, Endknoten, Straßenbeleuchtung, Leuchtenmast, in Betrieb, 26.02.1977
Netz 1, Netz 2, Endknoten, Leuchtenmast, in Betrieb, 01.08.1985
Netz 1, Netz 2, Endknoten, Straßenbeleuchtung, Leuchtenmast, in Betrieb, 03.08.1976
Netz 1, Netz 2, Endknoten, Leuchtenmast, in Betrieb, 03.11.1983
Netz 1, Netz 2, Abzweigknoten, Leuchtenmast, in Betrieb, 24.01.1985
LP7, Netz 1, Netz 2, nicht trennend, Straßenbeleuchtung, Leuchtenmast, in Betrieb, 28.10.1979

(2/15) >>>

OVK 30 Eschbach 2

OVK 42 Gerhard 1

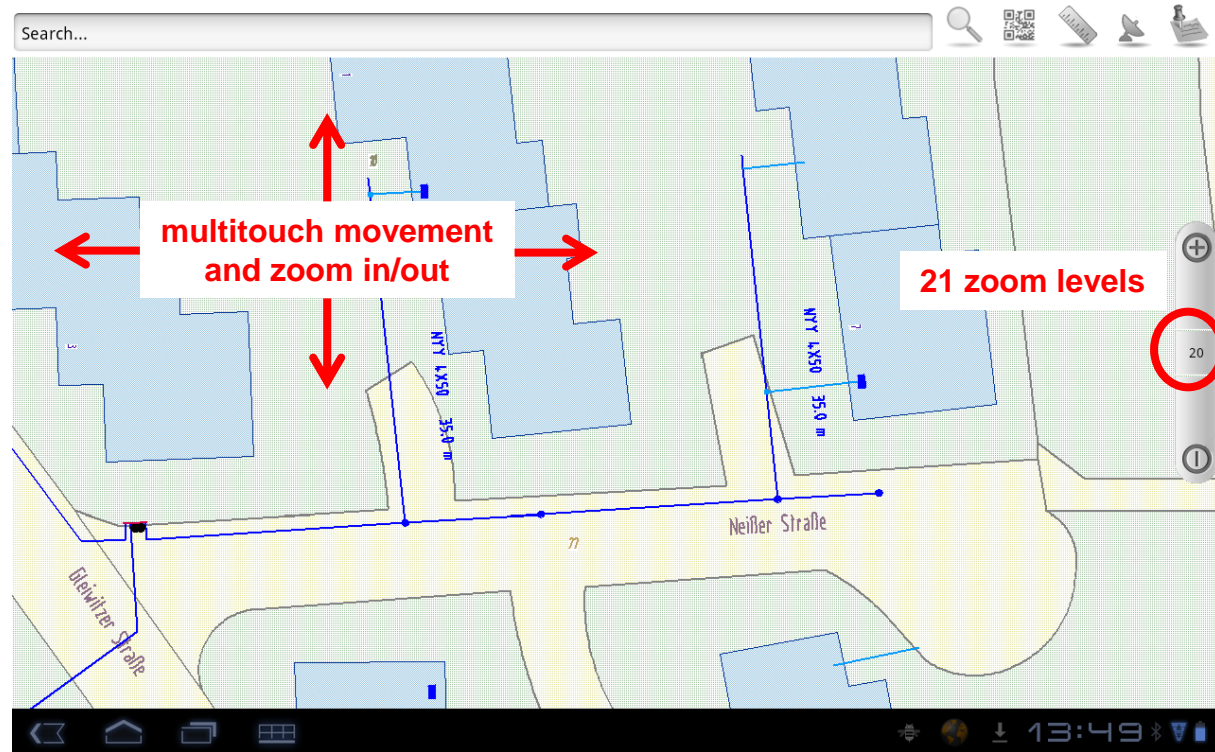
Gerhardst

Map Control

Problem: *I want to move around the map, zoom in and zoom out.*

Gislet solution:

- 1. 21 zoom levels (like in Google and OSM)
- 2. Min. $\sim 1:250$ (easy to adapt)



Attribute viewer

Problem: I want to see the attributes of the selected facility.

Gislet solution:

- 1. Short description
- 2. Attribute viewer for objects (physical fields)

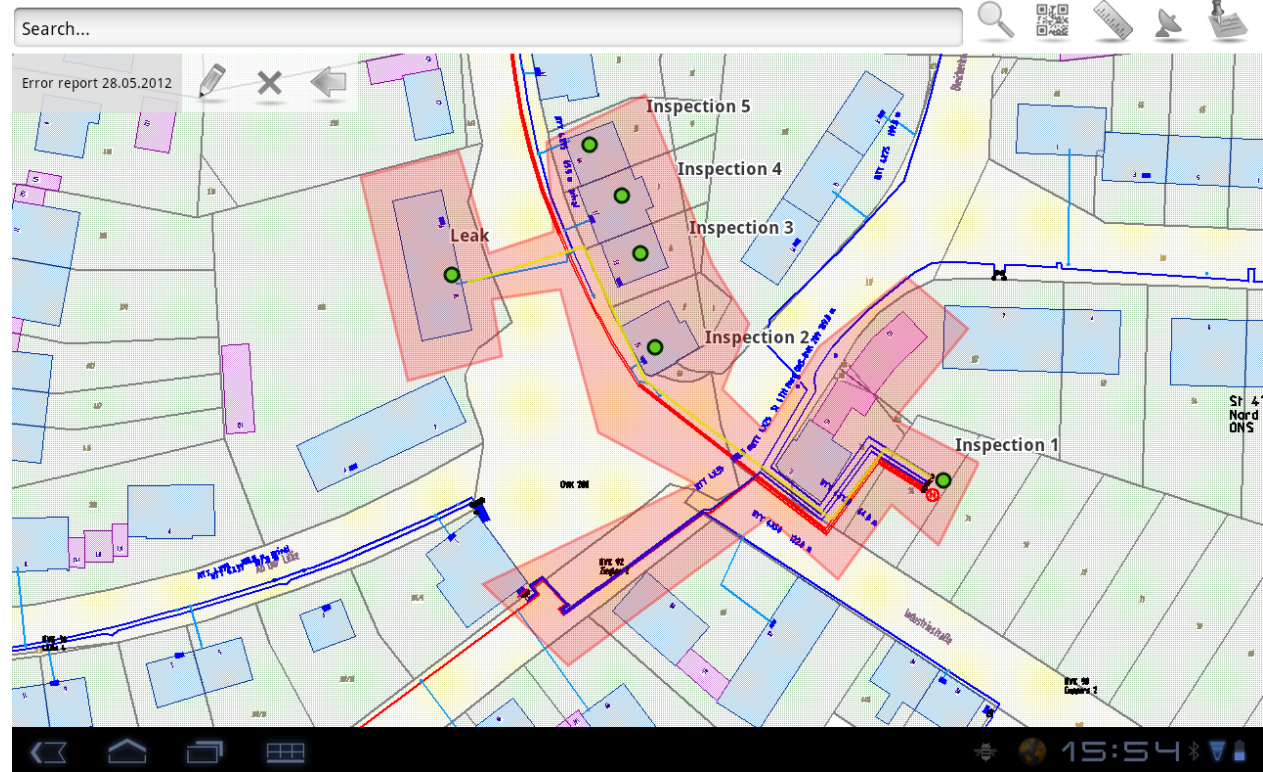


Redlining

Problem: I want to add redlines and descriptions and combine them with a specific task from the Workflow Management System

Gislet solution:

Redline and Task Frameworks –
extension point for integration





There is also the Hardware...



Motorola ET1



- Android™ 4.0
- Dual-core processor
- 7-inch capacitive display
- Satellite-GPS
- Swappable battery
- **MIL-STD 810G**
- **IP54**

- [Video >>](#)

Panasonic FZ A1 / B1

- Android™ 4.0
- Dual-core processor
- 10-inch capacitive touchscreen
- Satellite-GPS
- **MIL-STD 810G**
- **IP65**

- [Video >>](#)



Getac Z710



- Dual-core processor
- 7-inch capacitive touchscreen
- Satellite-GPS
- **3G module**
- **IP65**

Thank you

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