

Decision for Oil & Gas industry in Russia

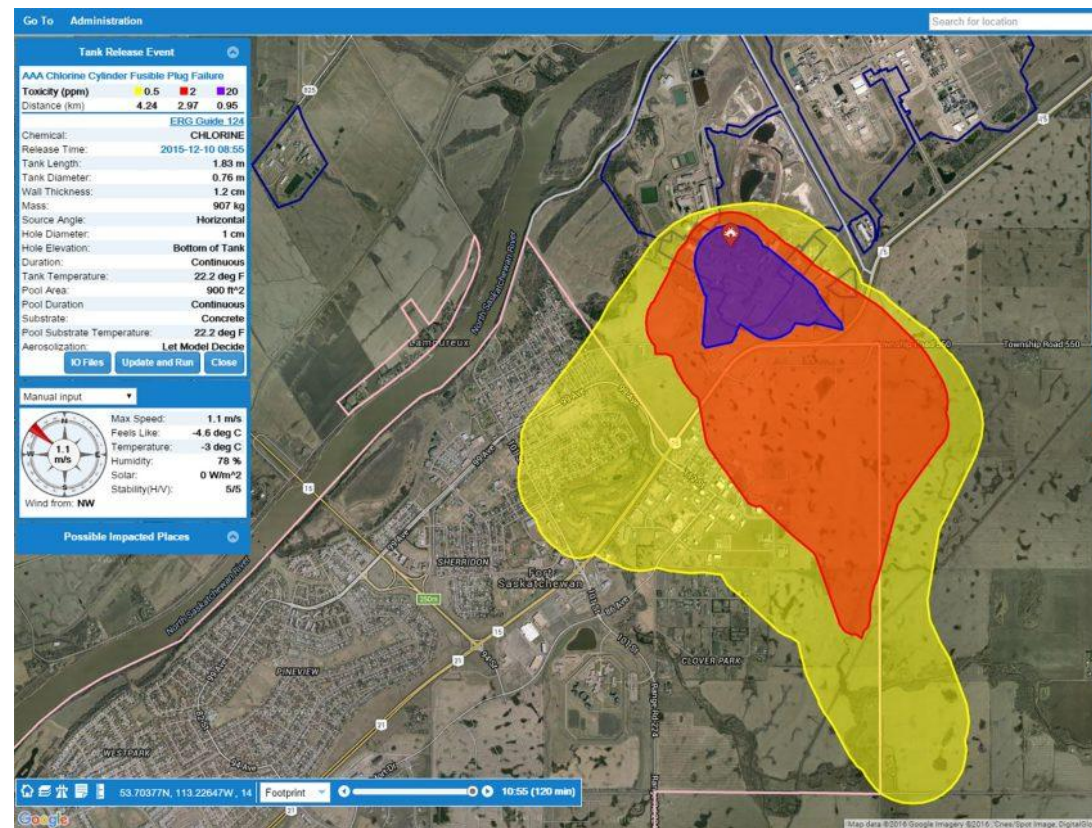
Project:
“SHIELD”
WIRELESS GAS CONTROL FOR
WORKERS AND ENTERPRISES



PROBLEM

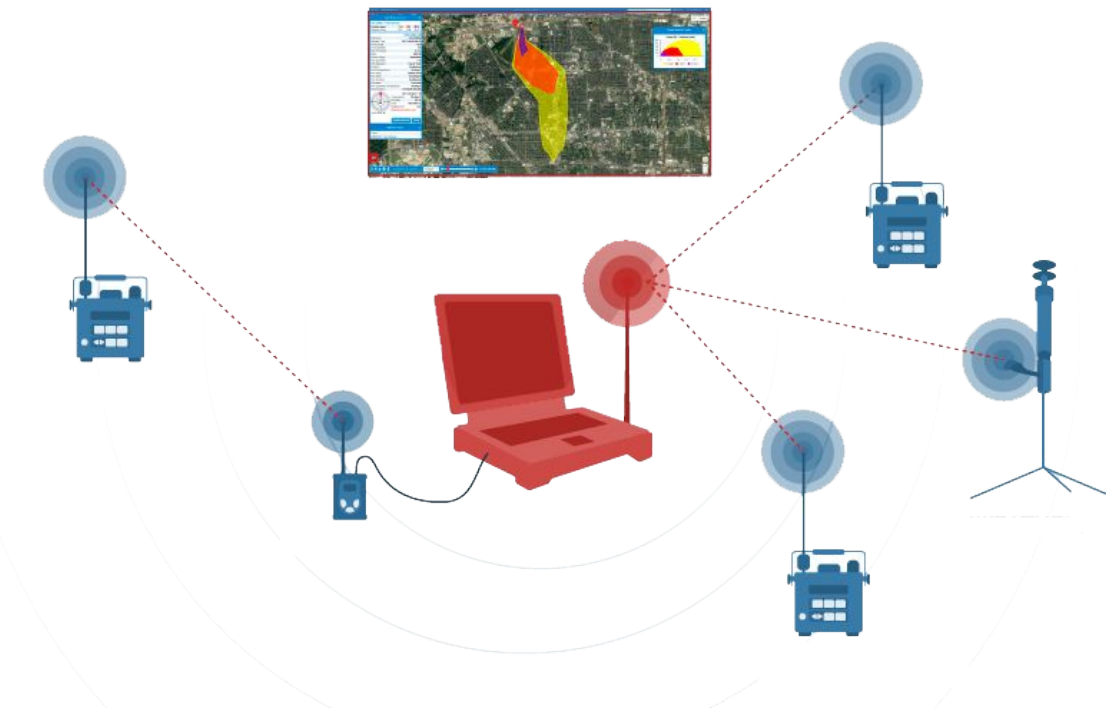
There should be a system that can exclude all possible accidents in oil & gas enterprises and show potential risk in real time making calculations and taking information from different sources:

- Where is the point of leak?
- How fast does leak expand?
- Due to weather conditions, what direction of the gas cloud might be in?



GENERAL REQUIREMENTS

1. Fully wireless to present all data in real time.
2. Include fixed and portable gas detectors, no-moving weather stations.
3. Data should be stored on russian servers.
4. Access to data should be encrypted.
5. Data should be watched on mobile units.
6. System must be integrated in current IT-system of enterprises.



PORTABLE DETECTORS



FIXED DETECTOR



CONTROLLER



WEATHER STATION



SOFTWARE ANALOGUES

There are lots of existing solutions for such a problem, but none of them meet all russian requirements, especially in a accordance with weather conditions and data storage cases.

Thus, the closest “rival” to the SHIELD project is Safer Systems decision:

<https://safersystem.com/>



SAFER[®]
SYSTEMS

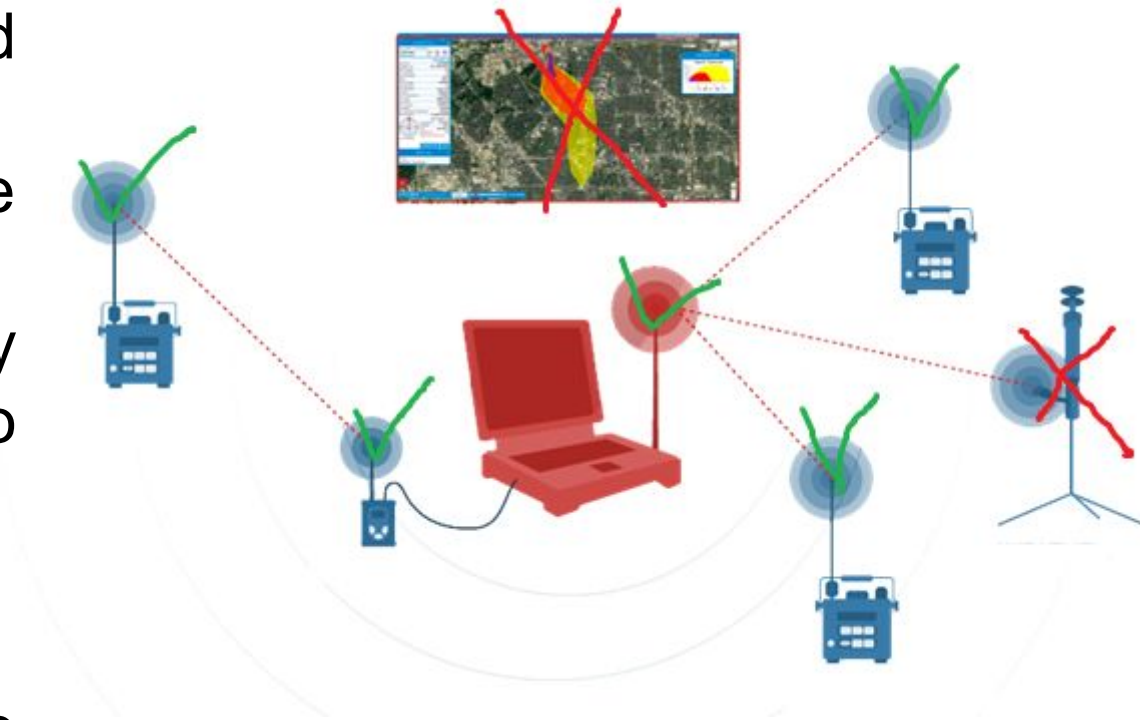
GENERAL STEPS TO GO

What we already have:

1. We have a strong partner in Gas detection (both fixed and portable) from China.
2. We have understanding how the system should look like.
3. 3 big customers (commonly GasProm enterprises) willing to use the system.

What we need:

1. Software for calculating all the data
2. Weather station



EXAMPLE

Customer's real case:

