

# Grapheal



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Region  
**Europe**



Founding  
year  
**2019**

Stage  
**Series A**

Number of  
employee  
**10**

## Challenges / Problems

- There is a need for IOT Sensors operating in the field and delivering accurate data related to chemical identification and concentration (Environmental , Safety, Healthcare, Food supplychain, Veterinary, Healthcare monitoring ... )
- Existing solutions are still expensive and difficult to deploy
- Grappleal addresses unmet needs in analytical testing, from process monitoring to in vitro diagnostics, by producing connected sensors.

## Competitive advantages:

- Grappleal is developing a low cost, low impact edge sensing platform that can be processed by flexible & printed electronics for selective and sensitive field sensing of a large range of chemical compounds (gases , proteins, DNA,...)
- our Tech is based on graphene on flexible substrates & films, enabling next-generation sustainable and cost-effective nano electronics films for sensing and electronics applications.
- These films are coupled with RFID tags (NFC & UHF) that allow to build a remote sensing platform based on a network of passive RFID tags sensors directly read by smartphone sensor + reader platform will be produced under ¥1,000 making then ultra competitive.

## Looking for collaboration / partnership with:

- **Academia** : research groups interested in high quality graphene sensors
- **Corporations** either manufacturing or using sensors in the following sectors : Gas & liquid analytics , Water sensors, Skin care & Cosmetics, Veterinary and Healthcare biosensors including wearables.

## Future business plans:

- Build a manufacturing line
- Expanding sales & partner network in Japan both at SME, Academia and Large Corp.

