

## SUCCESS STORY

# EN 50271 Certification for Portable Multi-Gas Detectors

### Business Problem

Our client contacted CPS TECH to help them achieve EN 50271 certification. The series of multi-gas detectors was available in the market with millions of units already sold worldwide. The main task was to bring about the software to meet the requirements as set out in EN 50271:2010 standard with minimal set of changes

### Implemented Solution

In the first phase, we defined the project scope and the list of deliverables that we would present to the safety certification agency. We reviewed the requirements as set out in EN 50271 standard and performed a gap analysis to identify areas where the gas monitors fell short. The second phase involved the actual testing of the instruments. We performed functional testing based on the functional test cases written according to safety standard criteria. The last phase was the finalization of the documentation as specified in the first phase. We prepared a comprehensive validation report that showed the verification and validation of all the safety requirements of EN 50271 as per the verification and validation plans drafted in the first phase.

### Business Results

- Getting approval for a list of deliverables for EN 50271 certification
- Preparing test cases and corresponding test reports verifying the functional behavior of the gas monitors
- Drafting V&V plans and reports validating the safety requirements
- Receiving EN 50271 certification without any iteration from DEKRA Exam



### Client

**Our client is one of the pioneers in leak detection be it water or gas. Having an experience of over a century in the field of water and gas leak detection, combined with the most advanced technology, our client is a market leader in gas and water detection instruments, specifically the multi-gas monitors.**