CINELDI result: Digital Inspection Elvia (WP Pilot)

Challenge and objective:

- Can use of advanced sensor technology improve the monitoring of substations and at the same time reduce the need for manual inspections?

Credit: Disruptive Technologies

Work performed:

- 350 sensors installed in secondary substations
- Data collected and stored

Results:

- Installing sensor and communication is relatively easy, but..
- monitoring is not just collecting data. Analytics and automated decision support must also be in place in order to benefit from the monitoring. This was not achieved in this pilot.
- The pilot did not reach all its aims related to use of data, but the potential is still present
- A security analysis was perfomed by SINTEF Digital as a part of the pilot (link?)

To be solved/learnings:

- Decision support
- Reasonable party (ies) for reacting to alarms/trends
- Some sensors stopped working without any apparent reason
- Large pilots requires a project organization with dedicated time to do analysis etc to reach ambitious goals

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