CINELDI result: Digital Inspection Elvia (WP Pilot)

Challenge and objective:

1100001010

1000010101

1000010101

0101100100

0010010000

0000101011

00110110011

01001000011

00001010110

00100001001000110000

000100111

00001101000

0000110100

101011000000

00100011000

0100000110

0010000110

01000100010

0100100011

10010000100

00110100100

0010100000

01101000

 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

CIN*©***LDI**