



Case Report

Jet Fuel at risk?

Customer

Airport Operator.

Pipeline

2 parallel jet fuel steel pipelines with PE coating.

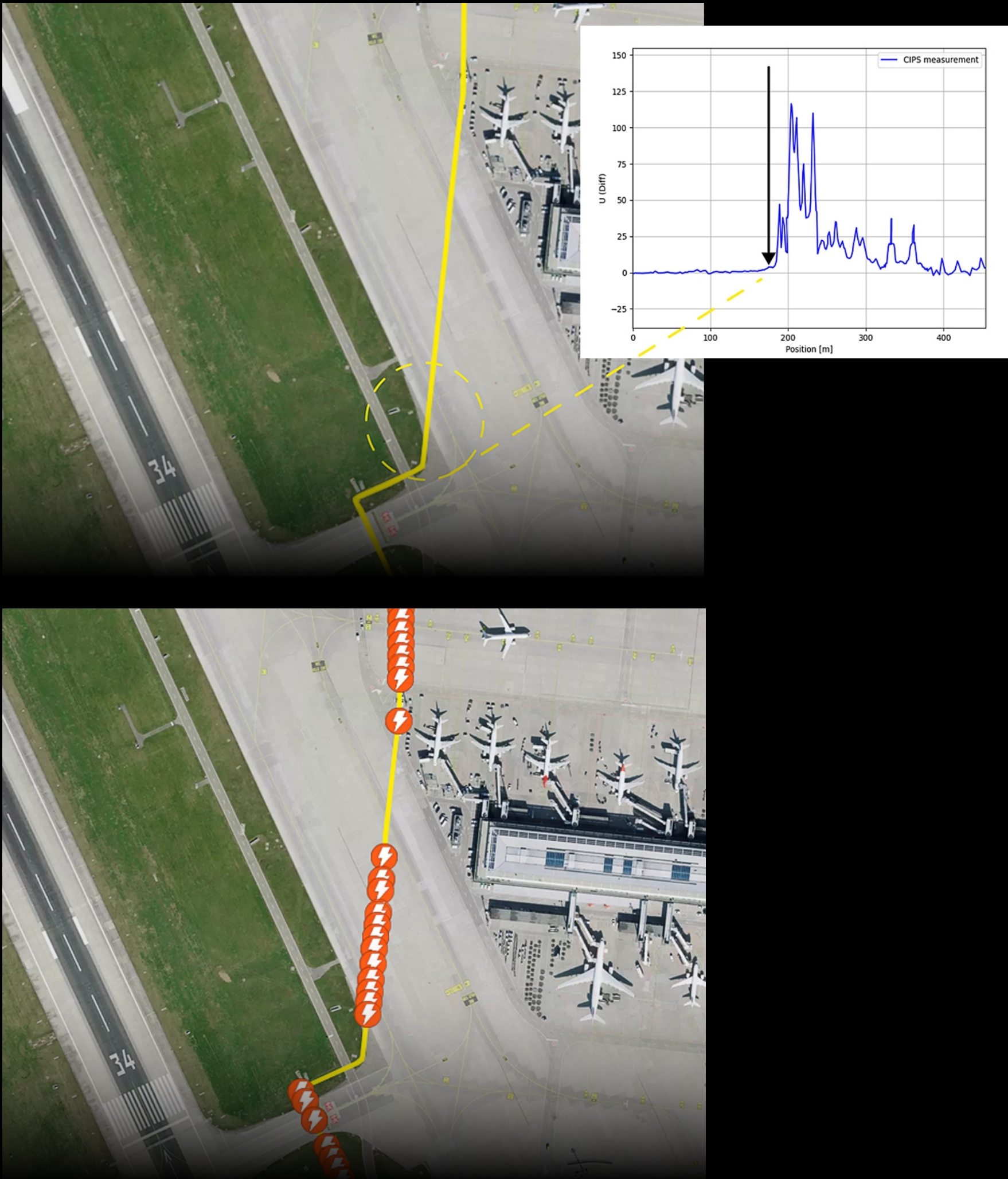
Result

56 coating defects identified, while IFO signals were inconclusive.

Case Situation

Major portions of the inspected section of two parallel jet fuel pipelines crossed the terminal apron of the airport. Approximately 80% of the pipelines were located beneath asphalt surfaces. The initial integrity assessment was conducted using intensive close-interval potential survey (CIPS).

However, due to the nature of the ground surface, results were inconclusive, and no coating defects could be reliably identified. Consequently, the jet fuel pipelines were re-inspected using Current Magnetometry Inspection (CMI).



Results

Using CMI, a total of 56 coating defects were detected and accurately localized—both adjacent to and beneath the asphalt surfaces of the terminal apron. For each coating defect, CMI additionally provided information on the presence of a passivation layer at the steel surface and the corresponding spread resistance.

These findings demonstrate that Current Magnetometry Inspection (CMI) remains effective even under challenging surface conditions, delivering critical insights necessary for safe and reliable pipeline operation in highly sensitive areas.

Let’s explore how it fits your pipeline challenges.
Talk to an expert about CMI.

Email

Our friendly team is here to help.

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