

The project will trial new fault location techniques on overhead networks. By developing novel fault location sensors which enable earlier detection and response to broken or damaged conductors, this project will improve the quality of supply for customers and improve safety on the network.

 Consumer vulnerability	 Net zero & energy system transition	 Optimised assets and practices	 Flexibility and commercial evolution	 Whole energy system
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## Benefits

-  More precise fault location
-  Detects emerging faults
-  Detects high impedance faults
-  Reduction in CMLs
-  Real time condition monitoring

 <p><b>Timescales</b></p>	<p>Start: <b>Sep 2015</b>      End: <b>Dec 2022</b></p> <div style="border: 2px solid white; padding: 5px; transform: rotate(-5deg); display: inline-block;"> <p><b>LIVE PROJECT</b></p> </div>
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 <p><b>What next</b></p>	<p>Complete sensor installation, carryout further live line test, algorithm refinement , Optimisation studies to define sensor location deployment</p>
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**<https://www.enwl.co.uk/nia>**