CASE STUDY

[MIDEL®]
SAFETY INSIDE

PROJECT: **Transformers for retail stores | UK**

ESTER TYPE: MIDEL 7131 synthetic ester

PURPOSE: Fire safety

[OVERVIEW]

J Sainsbury plc, trading as Sainsbury's, is a British supermarket and the second largest chain of supermarkets in the United Kingdom, with a 14.6% share of UK supermarket sales in September 2022. The company's trading philosophy, as stated on a sign outside John Sainsbury's first shop in 1869 was: "Quality perfect, prices lower".

The company is making robust steps towards its Sustainability targets, and states “With the impact of climate change being felt around the world, and increasing awareness of biodiversity loss and environmental degradation, we are committed to playing our part in helping improve the food system so that it works better for the planet.

Our customers expect us to be taking action and finding ways to help them reduce their environmental impact too. We are proud to be the Principal Supermarket Partner of COP26, the United Nations Climate Change Conference.”

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[SITUATION]

Sainsbury's take the safety of their colleagues and customers very seriously and as such have decided to use MIDEL as a fire safe solution whenever a transformer is located in-store, or on a roof top.

[RESULT]

The Electrical Technical Manager for Sainsbury's was contacted by the MIDEL team and had the following to say about MIDEL 7131. "We have specified MIDEL 7131 for all transformers installed at Sainsbury's stores where the transformers are located internally for several years, more recently we have been installing transformers on the roof of stores and the specifications were amended to include the need for MIDEL 7131 for all roof mounted transformers. The reason for specifying MIDEL 7131 is to mitigate the risk of fire should a fault develop within the transformer."

Sainsbury's are not alone in specifying MIDEL 7131 for roof top transformers; another example is a set of transformers installed on the roof of the Trafford Centre retail shopping mall in Manchester, UK.

Originally the specifiers were considering using cast resin transformers but changed their minds for several reasons, including the fact that the systems would be too tall. In preference they chose two 2MVA MIDEL filled transformers, which provide power to the John Lewis store and have now been in service for many years.

The use of MIDEL ester fluids in this project supports the following UN Sustainable Development Goals:

SUSTAINABLE DEVELOPMENT GOALS

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

11 SUSTAINABLE CITIES AND COMMUNITIES