Challenge
LMK wanted to expand its product range to offer more bespoke container, vessel and pipe heating solutions beyond its core drum and intermediate bulk container (IBC) markets.

Results
With the help of the Knowledge Transfer Partnership (KTP), the company developed a novel conductive polymer composite that has allowed LMK to expand its product range and offer a range of bespoke heating solutions. The partnership has also allowed LMK to develop in-house R&D capacity, employing the Associate and publishing in international peer-reviewed journals. These outputs were celebrated at the KTP Best of the Best Awards 2019, where the project was recognised with the Engineering Excellence Award.

• ‘GrafHeat Cable Heating Jackets’ developed especially for applications requiring heating from below.

The academic staff at Queen Mary has been excellent in its ability to understand our “real-world” problems and through the framework of a KTP helped us to develop innovative solutions beyond our initial expectations.”

MARK NEWTON
COMPANY LEAD,
MANAGING DIRECTOR,
LMK THERMOSAFE

“Doing a KTP provided me a first-hand experience of working in industry. In my project, I was developing lab-scale research into an industrial product. The project provided a lot of new challenges specially upscaling and developing an industrial product.”

DR HARSHIT PORWAL
BUSINESS UNIT MANAGER,
LMK THERMOSAFE
FORMER KTP ASSOCIATE