24/02/2025

Letter of Recommendation - HCT Australasia

To whom it may concern

Beam Mobility provides micromobility transport solutions across 60 cities in multiple countries, including Australia and New Zealand. Our micro mobility solutions are supplied through our fleet of e-scooters and e-bikes. Across our operations, we utilise rechargeable lithium-ion batteries. An inherent hazard of these batteries is that when either submerged in water for extended periods or significantly damaged, the internal cells can become compromised, leading to thermal runaway. This dangerous, self-sustaining reaction can result in a fire.

While conventional methods, such as standard fire extinguishers and submersion in water, can delay the onset of thermal runaway, in our experience, they do not effectively stop it. Recognising the need for an enhanced solution. Beam Mobility engaged the services of HCT Australasia for the supply of F500-EA to mitigate thermal runaway once identified. The effectiveness of F500-EA in controlling thermal runaway has far exceeded expectations and has successfully prevented serious incidents in all instances where it has been used.

We currently use F500-EA in our fixed warehouse locations and are actively exploring HCT's additional F500-EA applications, including its portable extinguisher form, to provide an effective, immediate response solution to our mobile teams.

Based on our experience, Beam Mobility recommends HCT Australasia and their affiliates and their F500-EA solution to other relevant industries and applications, particularly organisations that rely on lithium-ion batteries and those operating in high-risk environments. Their expertise and innovative approach to fire suppression have contributed to enhancing our operational safety and risk mitigation strategies.

Kind Regards,

Alistair Van Oudtshoorn

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