The project encountered two recurring limitations that would benefit from further investigation. Firstly, the memory requirements enforced by HE result in a significant bottleneck during the networking stage of the application. Consequently, the practicality of HE for overcoming privacy concerns in MLaaS models is severely limited. To overcome this, either the number of levels in a ciphertext needed to perform consecutive multiplications will need to be reduced, or more realistically, the impact of adding a new level on the size of a ciphertext must be made more affordable.

Secondly, the variety of operations that can be performed on HE ciphertexts must be expanded if more advanced moving object detection algorithms are to be implemented. Even relatively simple operations such as division are lacking from the CKKS scheme, which means either new inference algorithms will need to be developed or the HE schemes will need to be extended to be more supportive.