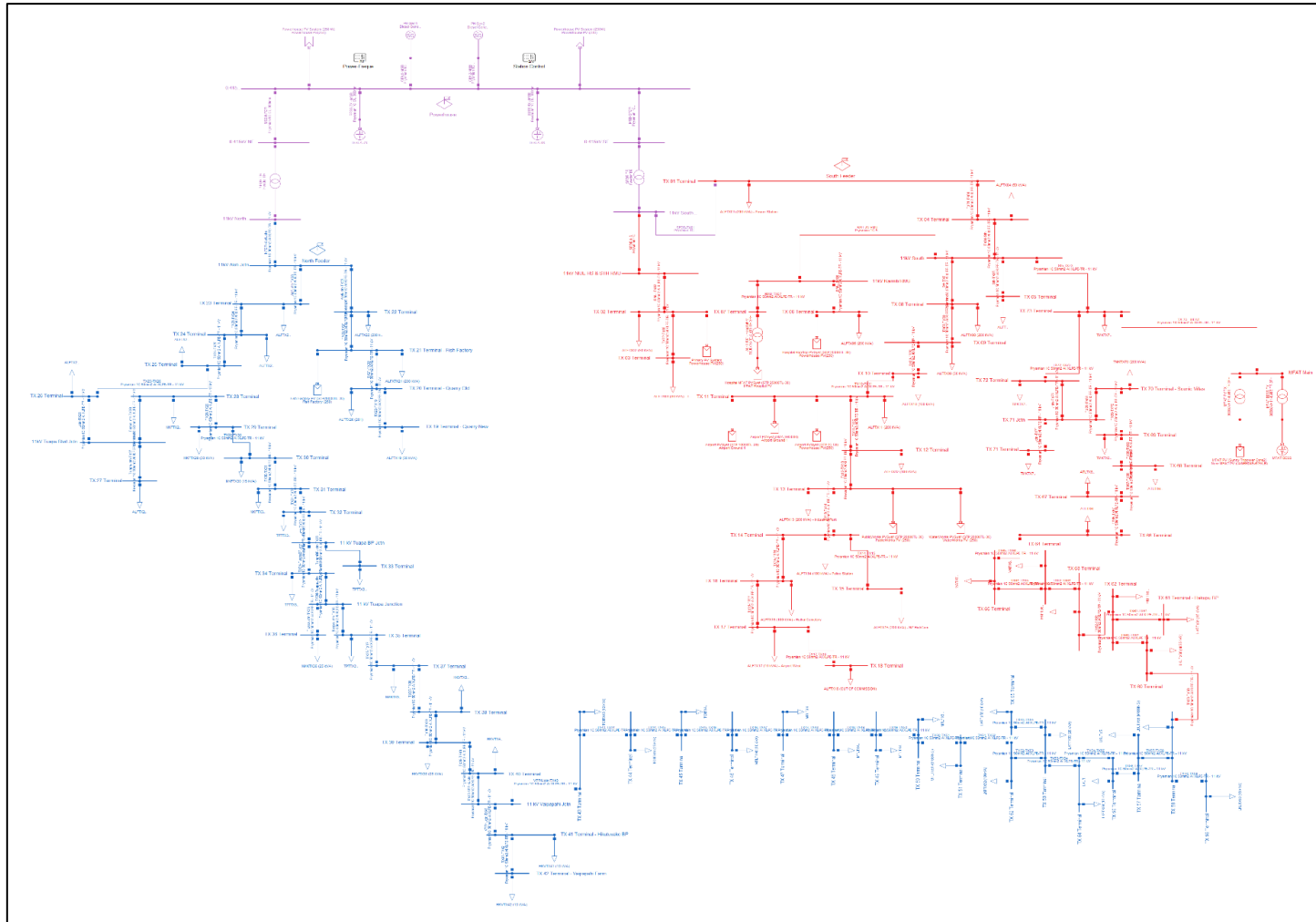




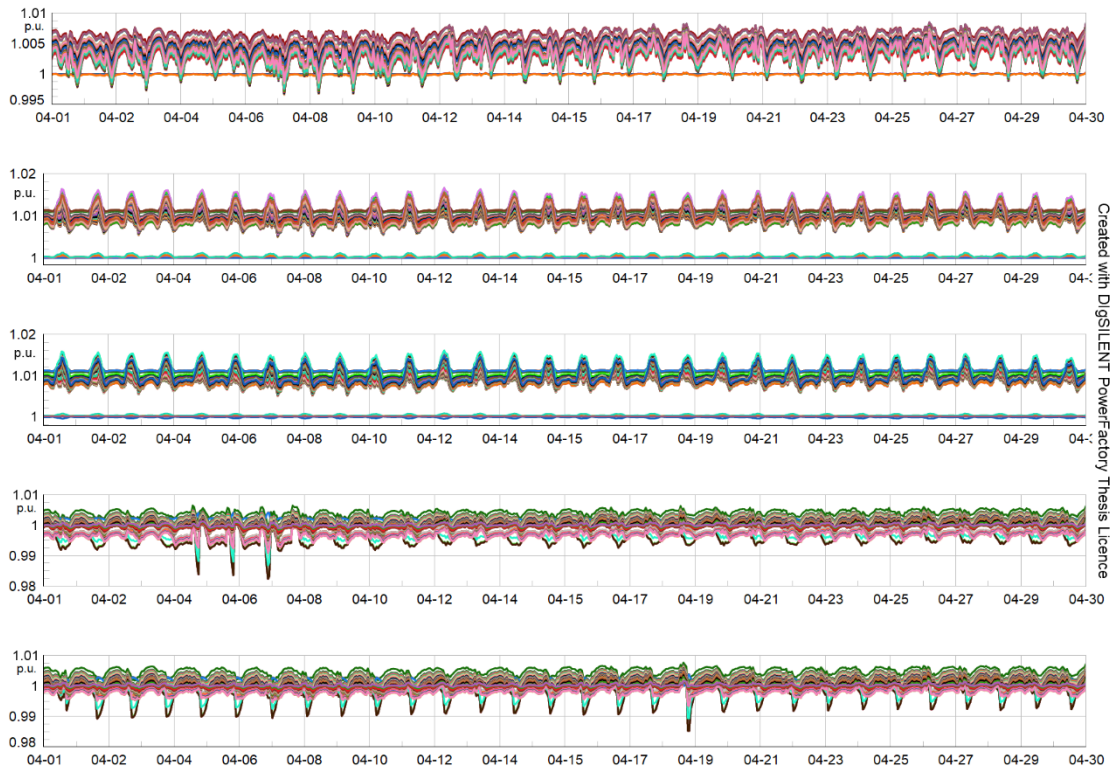
**An investigation into the effects of high renewable energy penetration in
the Pacific Islands: A case study of Niue
Supplementary Material**



Niue network map

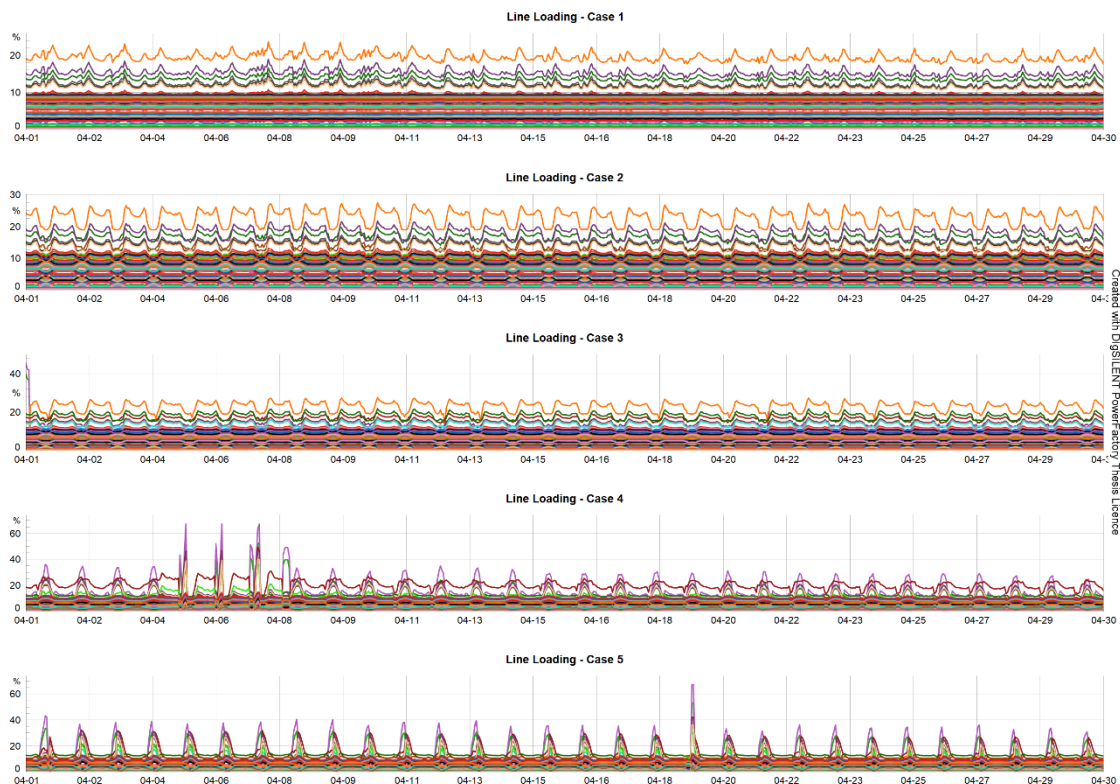


Niue network SLD



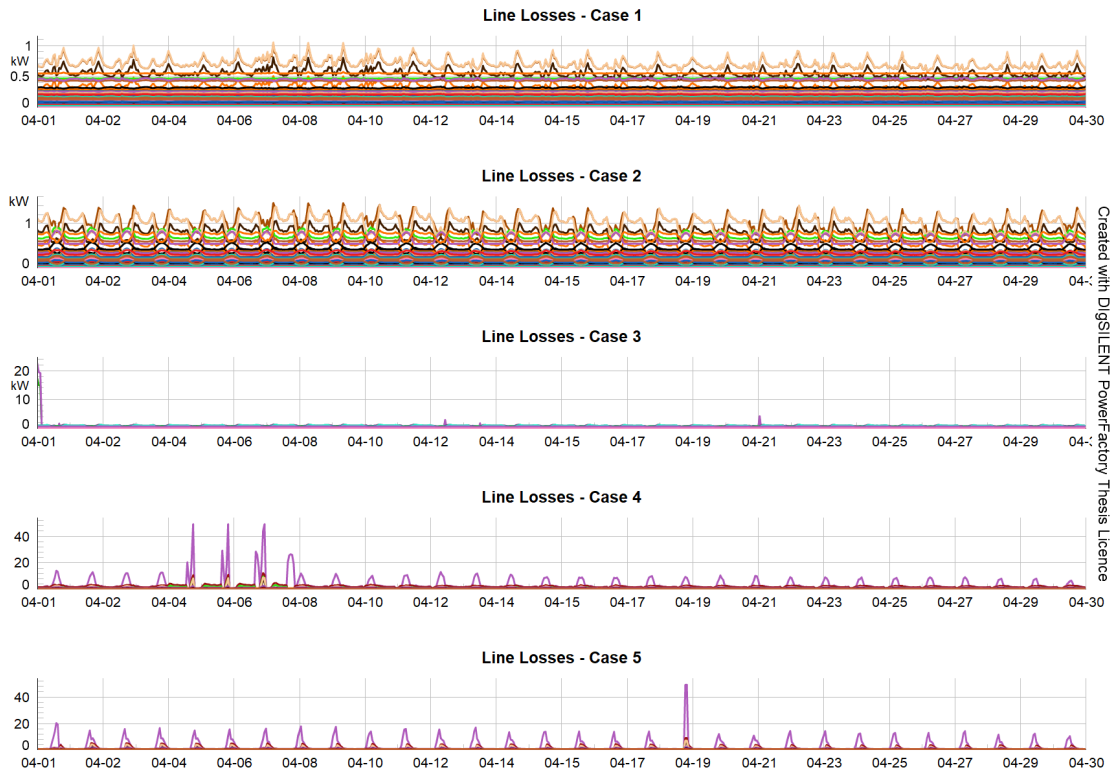
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Terminal voltages across all cases (April)

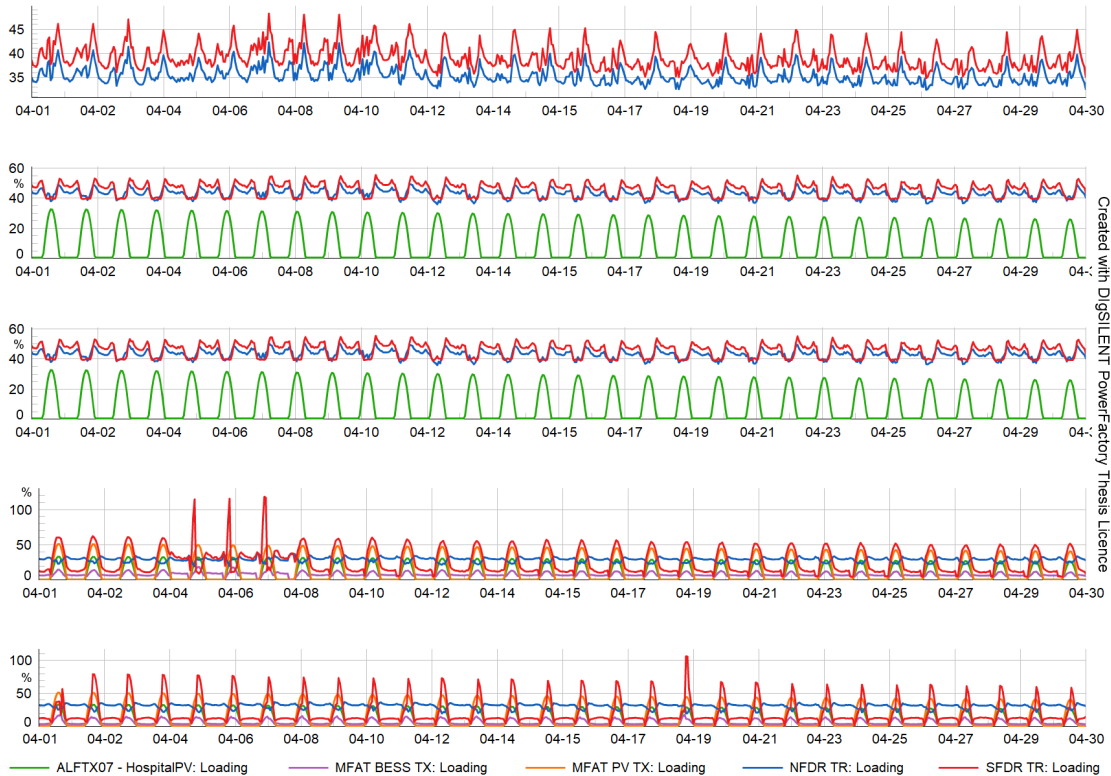


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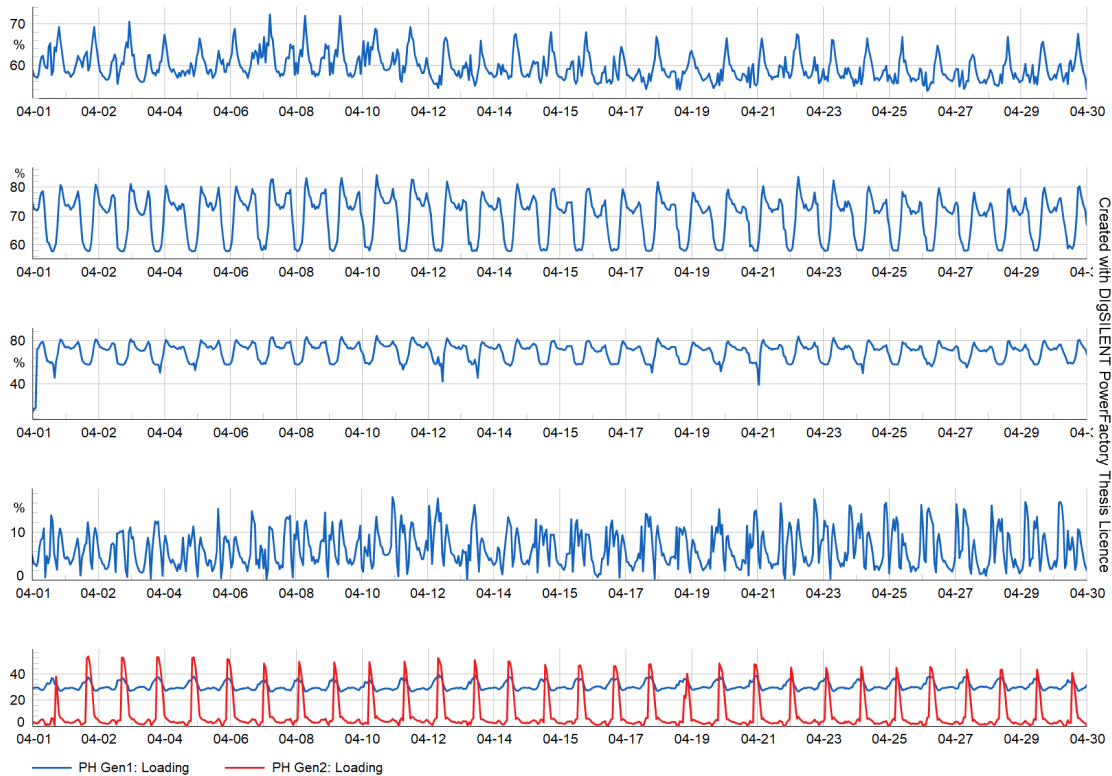
Line loading across all cases (April)



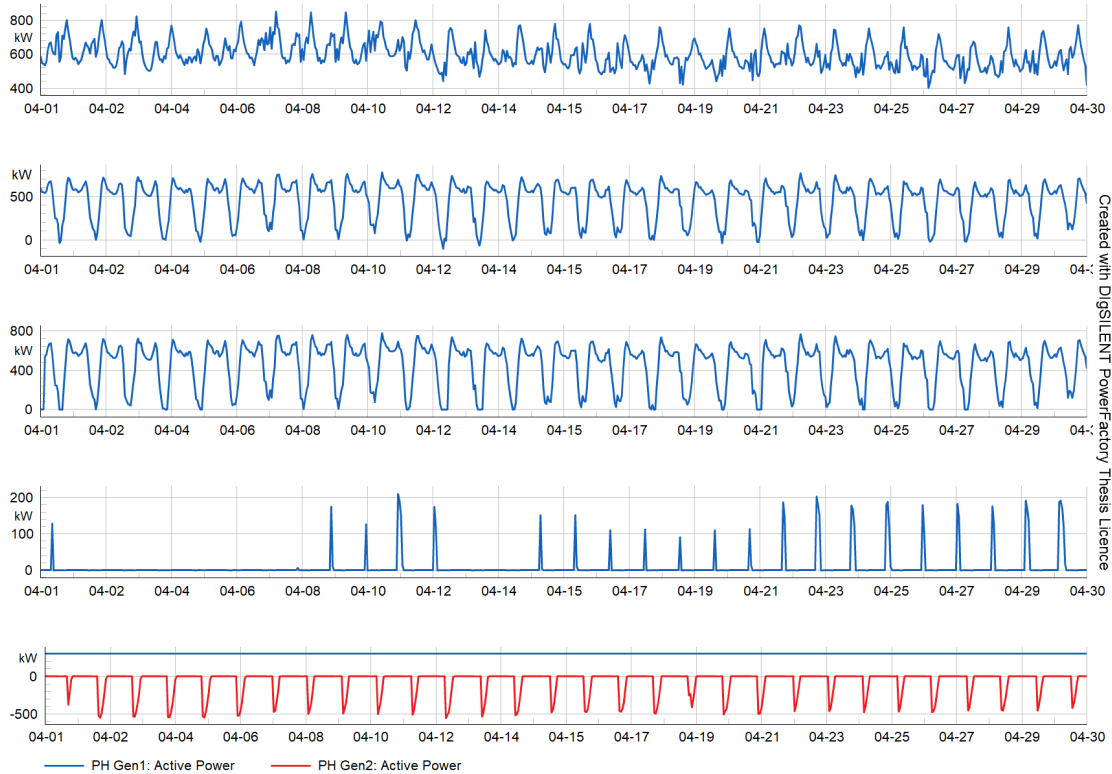
Line losses across all cases (April)



Transformer loading across all cases (April)



Generator loading across all cases (April)



Diesel generation across all cases (April)



Battery SoC across all cases (April)