

69TH AMEU CONVENTION

1 - 4 October 2023

CSIR International Convention Centre

Confronting South Africa's Electricity Crisis in the context of a 'Balanced Just Energy Transition' (BJET) and the need for a reliable and resilient national electricity grid

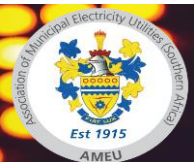
The Journey of Bitou Local Municipality in Accepting Embedded Generation on the Distribution Network. at the AMEU Convention 2023

Presented by Neziswa Xakata

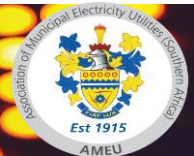
Bitou Local Municipality and Sustainable Energy Africa



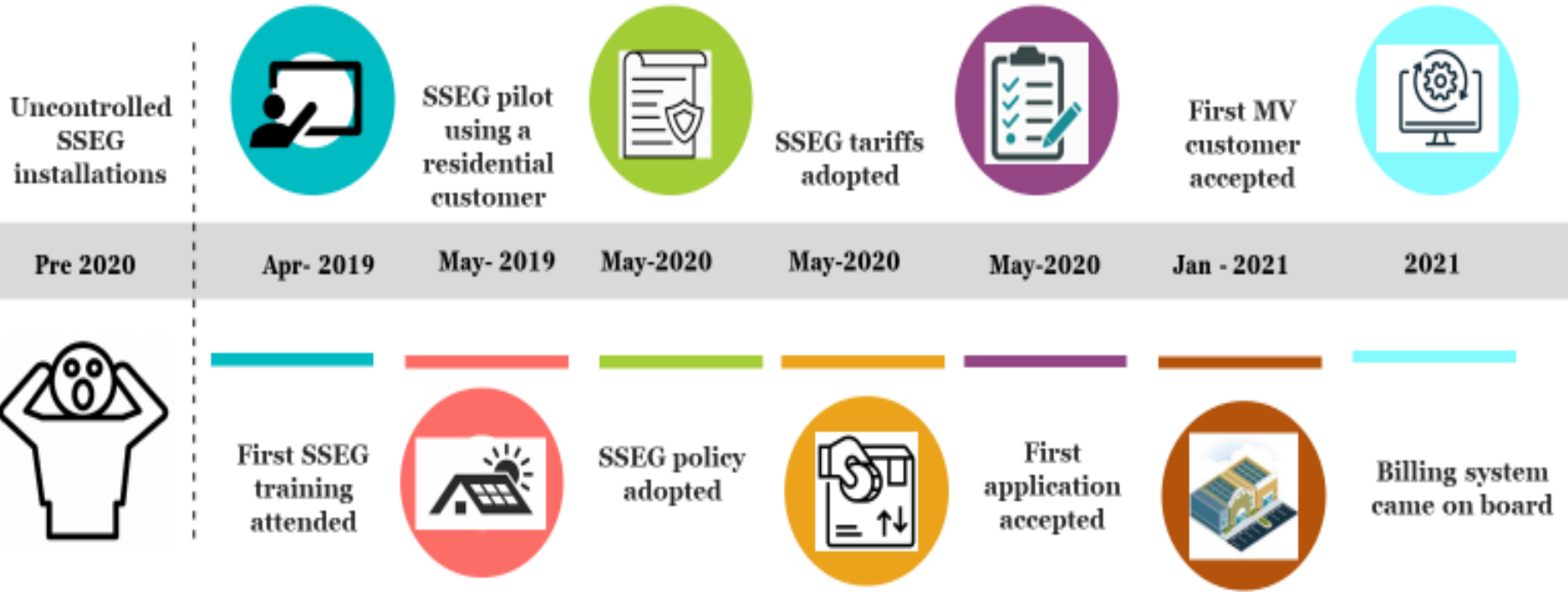
1. Introduction



2. Proactive steps towards SSEG Integration



3. The journey

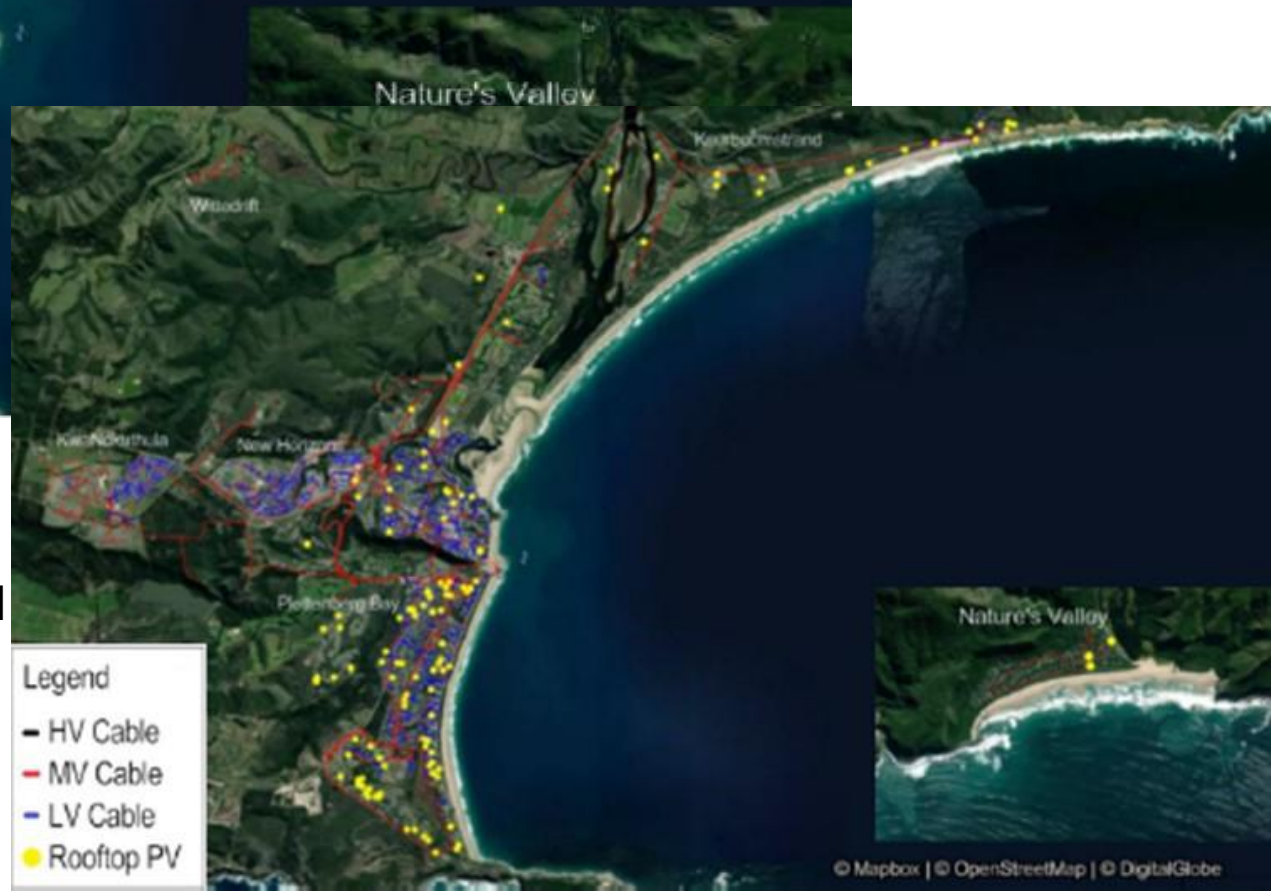
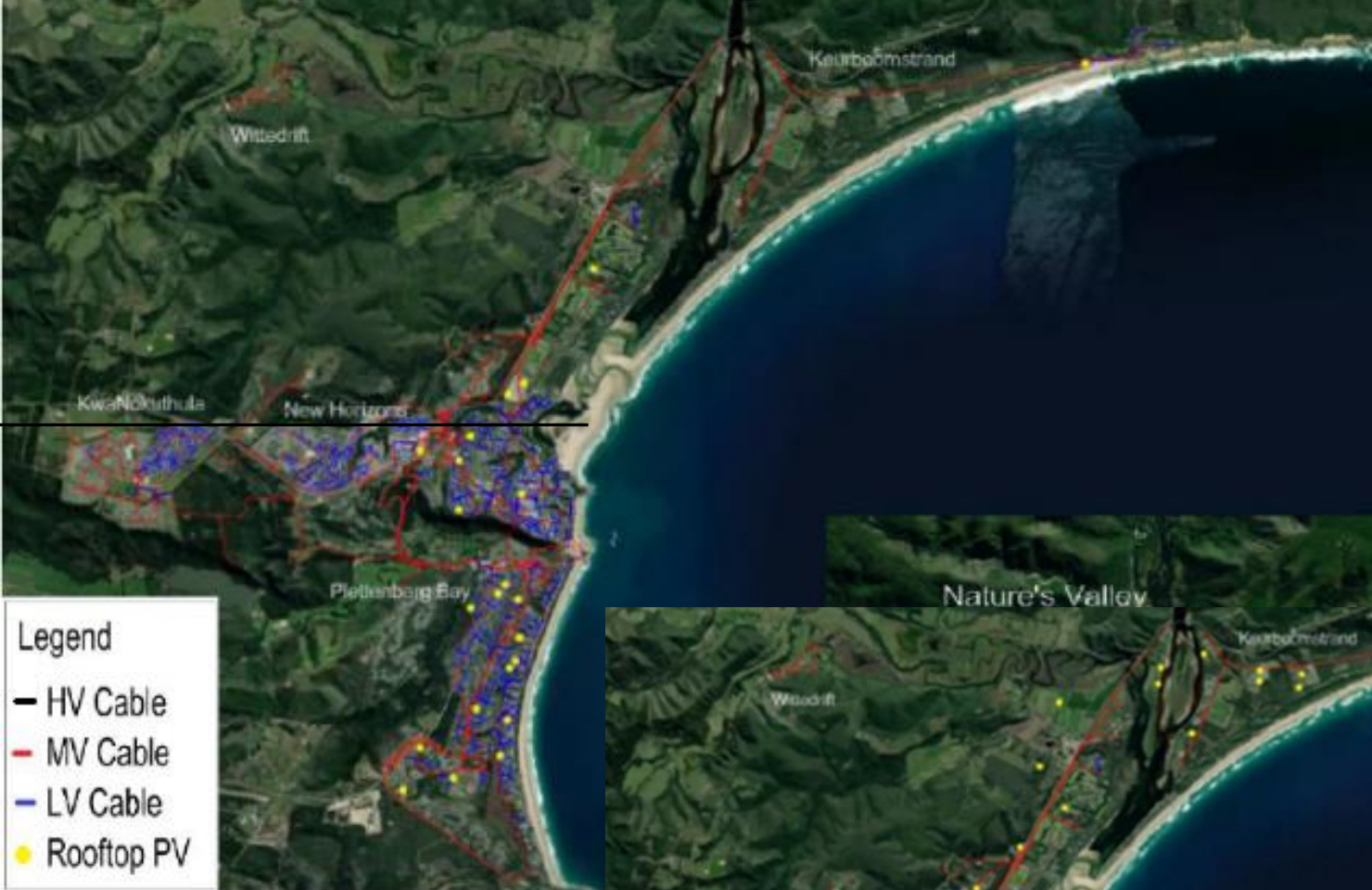


4. A Multi-Faceted Approach.

Whilst the Municipality has made substantial progress to date with the minimal resources available, faces some challenges.

- Regulatory hurdles and customer reluctance.
- Insufficient staff to process applications poses a major bottleneck.
- Installer and clients not following the application process.
- Billing system upgrade- at present crediting the customer entails a manual calculation.





SSEG registered installations (top) and total registered and suspected unregistered (right) as of April 2022.

5. Charting the future.

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Municipalities

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Small Scale Embedded Energy Generation Application Platform

This platform allows municipal customers and installers to submit embedded generation applications to participating municipalities. Currently this platform only covers solar PV applications below 1000kVA (i.e. small scale solar PV). A list of participating municipalities can be found [here](#).



6. Recommendation for Strengthening SSEG.



SSEG trainings



Inter-departmental collaboration



Inter-municipal collaboration



Staff allocation



Customer awareness



Bylaws and legal framework



Resource packs and checklists



Infrastructure Readiness

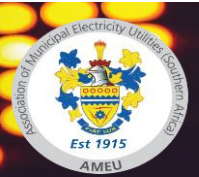


7. Conclusion

This case study underscores that proper training and a well-structured resource pack can significantly de-risk the complicated process of SSEG adoption.

Bitou Municipality's experience encourages other municipalities to embrace their own unique journey accepting SSEG on their distribution networks.

Echoes to the municipalities with no processes in place, are not in hopeless situation, there is support provide by AMEU-SALGA-SEA.





Sincere gratitude
to



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Thank you!

