An Introduction to MeshCore

A resilient off grid independent messaging platform.

What is MeshCore?

A low-power, long-range LoRa-based digital mesh network

Text-based communications

Peer-to-peer, multi-hop architecture

Self-forming and self-healing

Designed for persistent, large-scale deployment

Who Can Use MeshCore?

- The simple answer, anyone that can use a smartphone.
- Ham operators are pushing the lead in Charlotte County but it is designed for public use.
- The frequencies are in the 900MHz range and Bluetooth so it operates in the public spectrum.

What Does It Run On?

- MeshCore runs on small, low power, single board computers like:
- Heltec LoRa V3 and V4 boards
- RAK Wisblock
- Seeed Studios Solar Nodes
- For a complete list, visit https://meshcore.co.uk/index.html

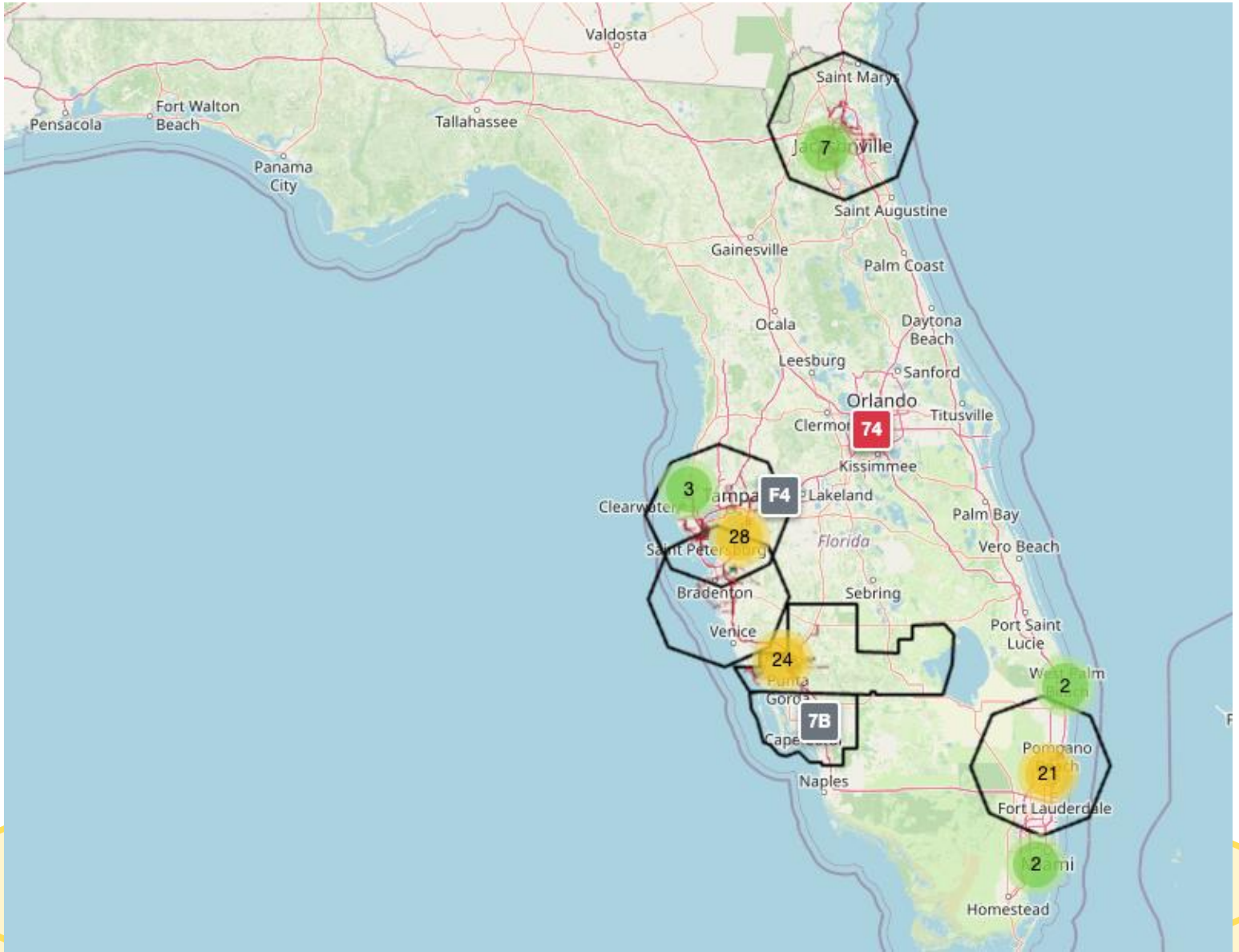
What Equipment Do I Need?

- You need a companion radio at a minimum and a free MeshCore App for Android or IOS.

- A home based repeater ensures that your companion radio gets out and helps fill the mesh.

- These two pieces of hardware are the same. They are flashed with different firmware to perform their role.

- Florida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Bradenton
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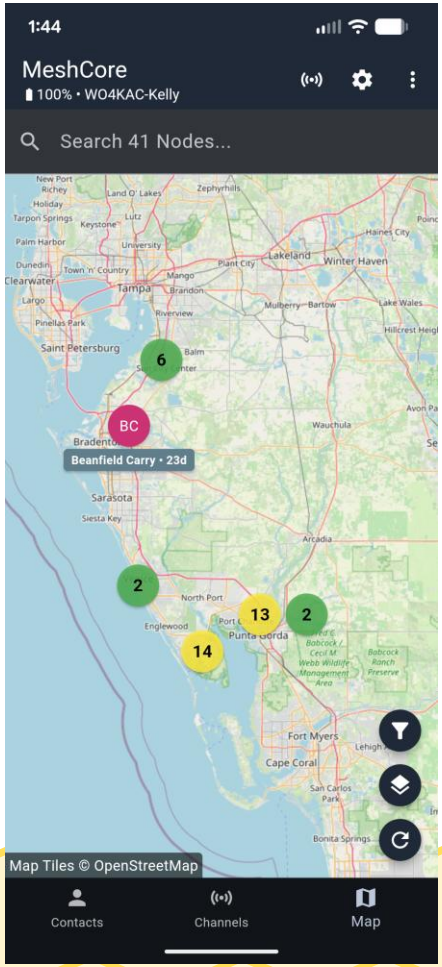
SWFL Repeaters and Users In Place



Hardware Examples

T-Deck Plus

- Integrated keyboard & screen
- All-in-one portable use

Seeed Solar Node P-1

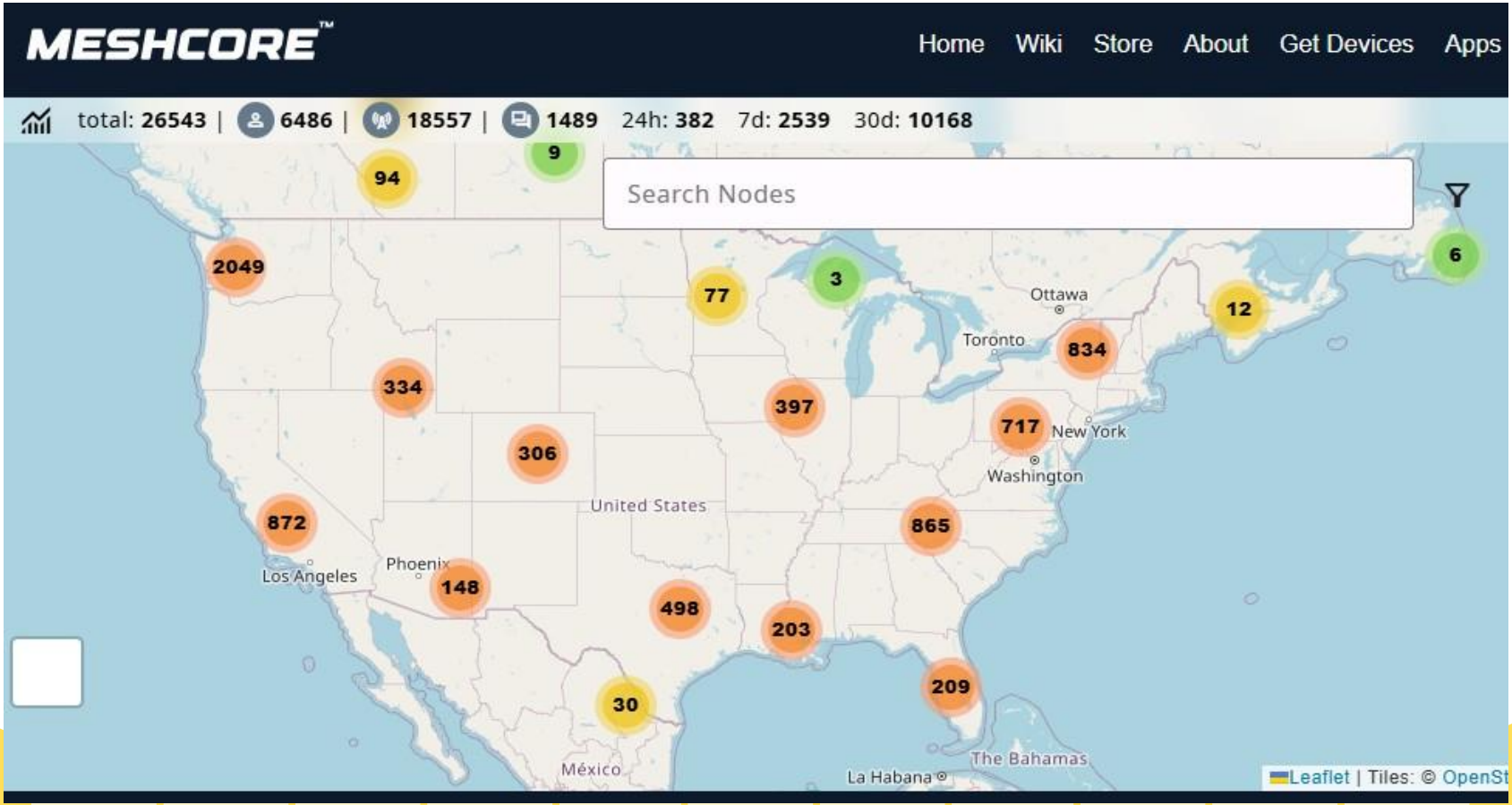
A complete solar solution

RAK WisBlock

Modular and Flexible

Imagination friendly

Waypoint-SGC

Repeater
HelTech V4

The Beginning