

2nd Annual Disaster Resilience Summit

September 26, 2023



Telecom Emergency RESPONSE PLAN



ASTCA



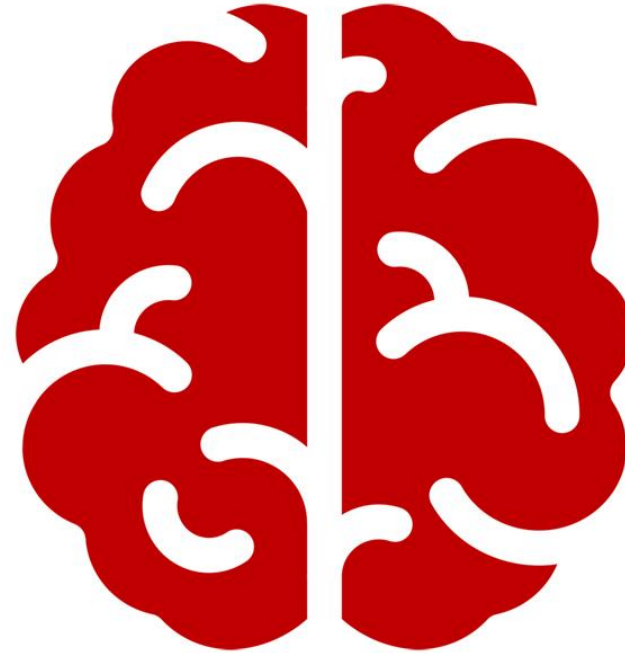


~~ABOUT US~~





Time

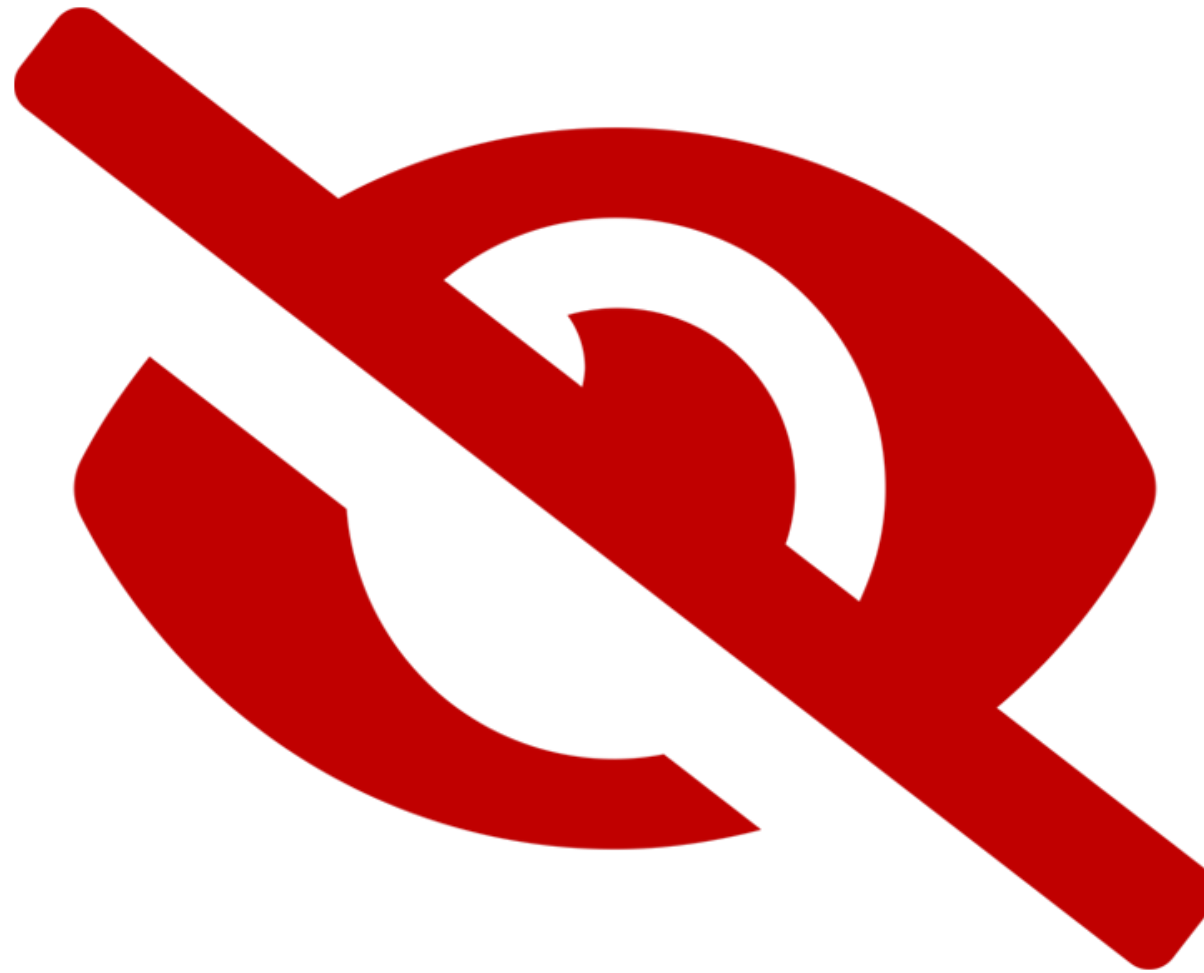


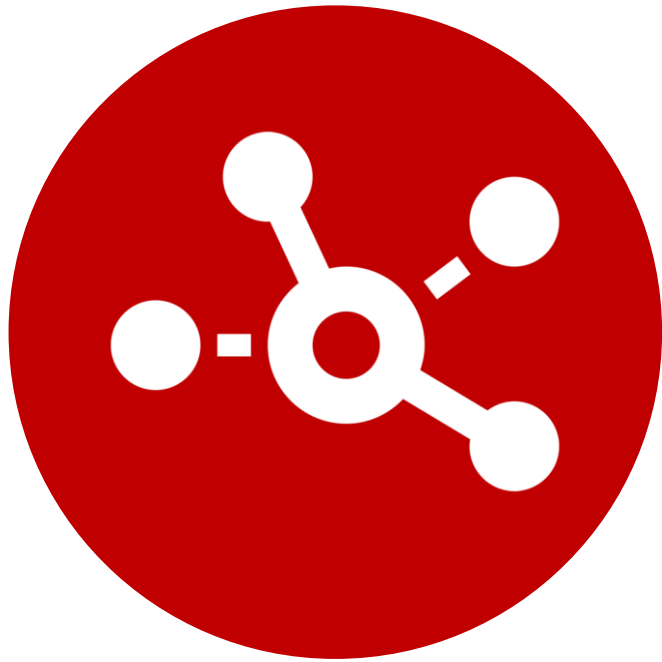
Purposeful



Not Boring







**Network
Infrastructure**



**Emergency
Classifications**

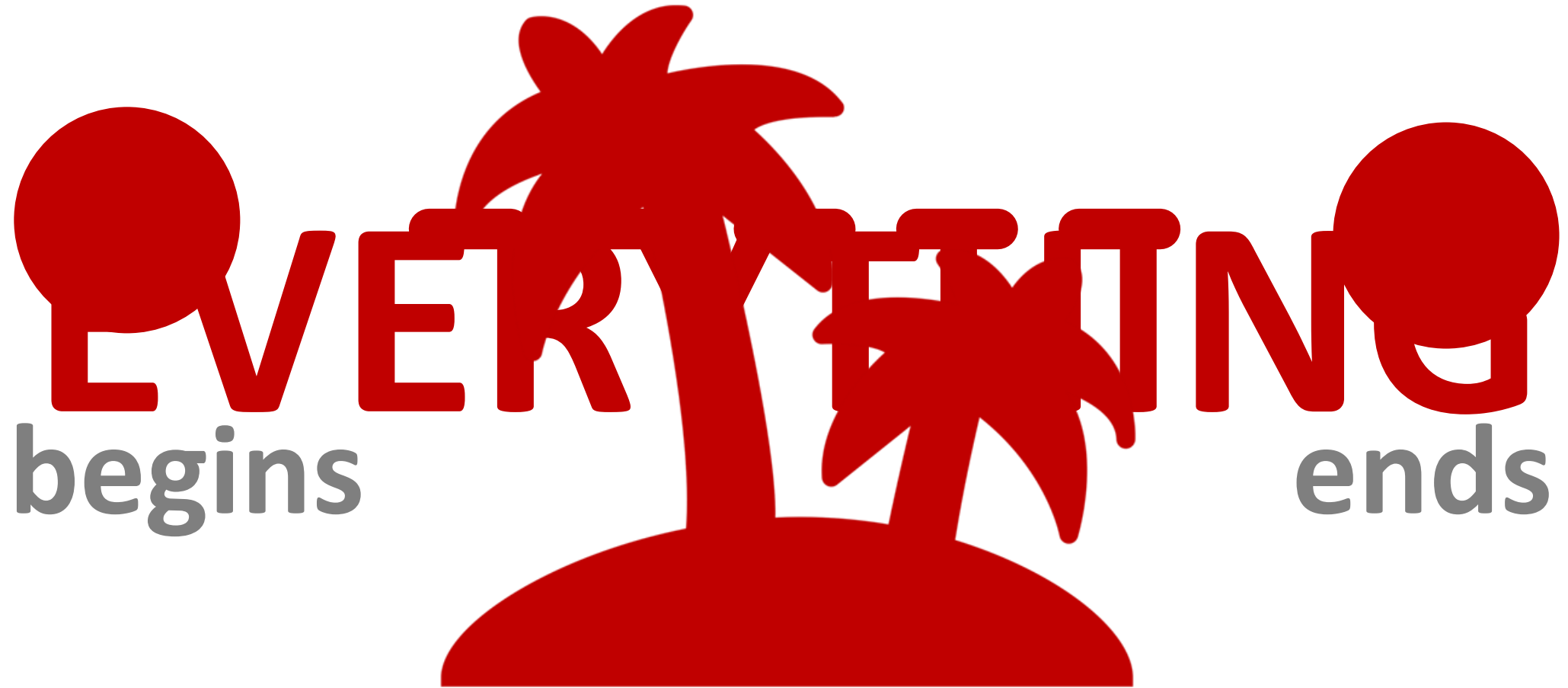


**Preparation
and Execution**



Network Infrastructure

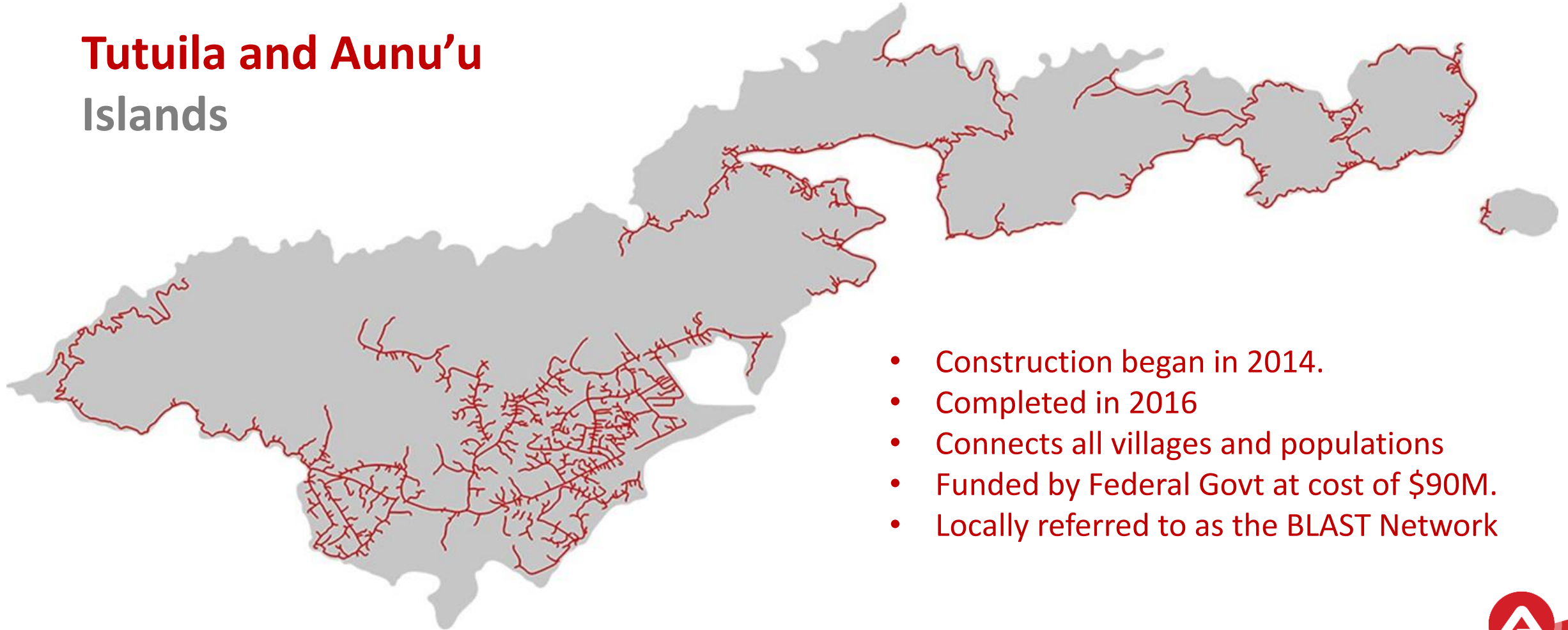






Underground Fiber Network

Tutuila and Aunu'u Islands

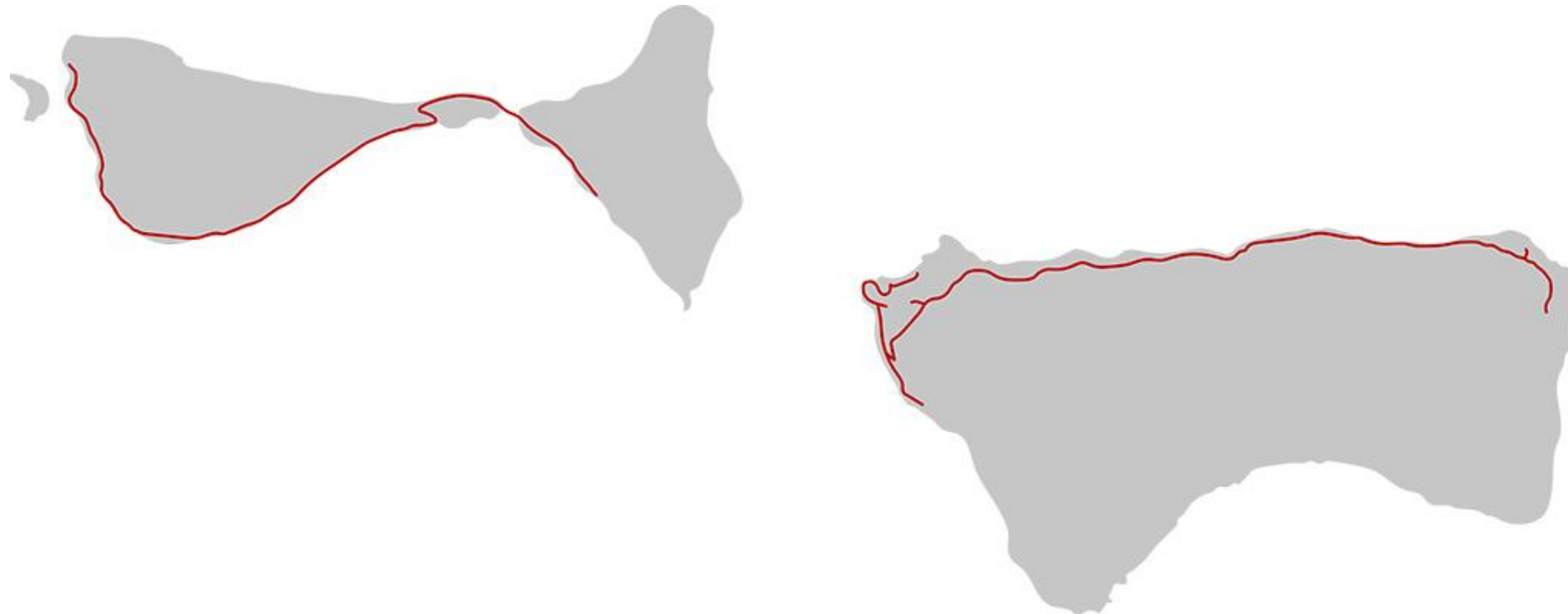


- Construction began in 2014.
- Completed in 2016
- Connects all villages and populations
- Funded by Federal Govt at cost of \$90M.
- Locally referred to as the BLAST Network



Underground Fiber Network

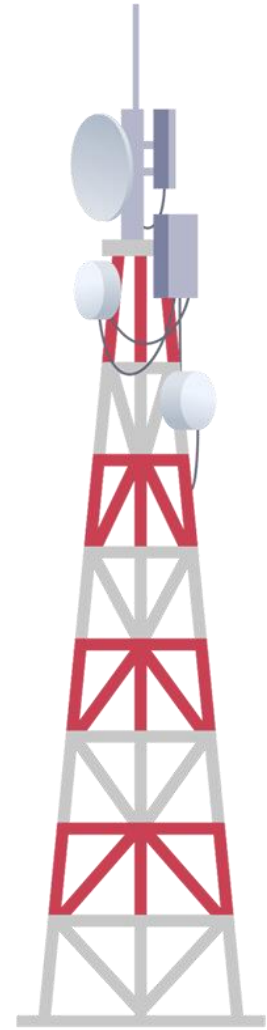
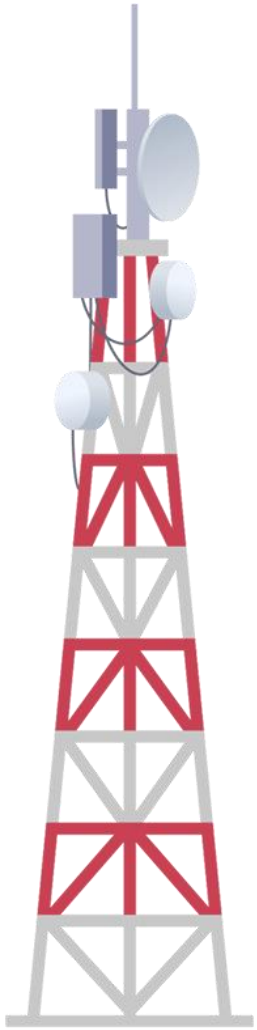
Ofu, Olosega, and Ta'u Islands





94 Miles

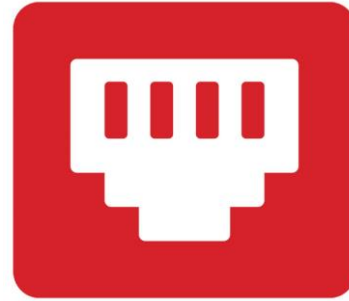




ASTCA



Landline



Broadband



Mobile



Television

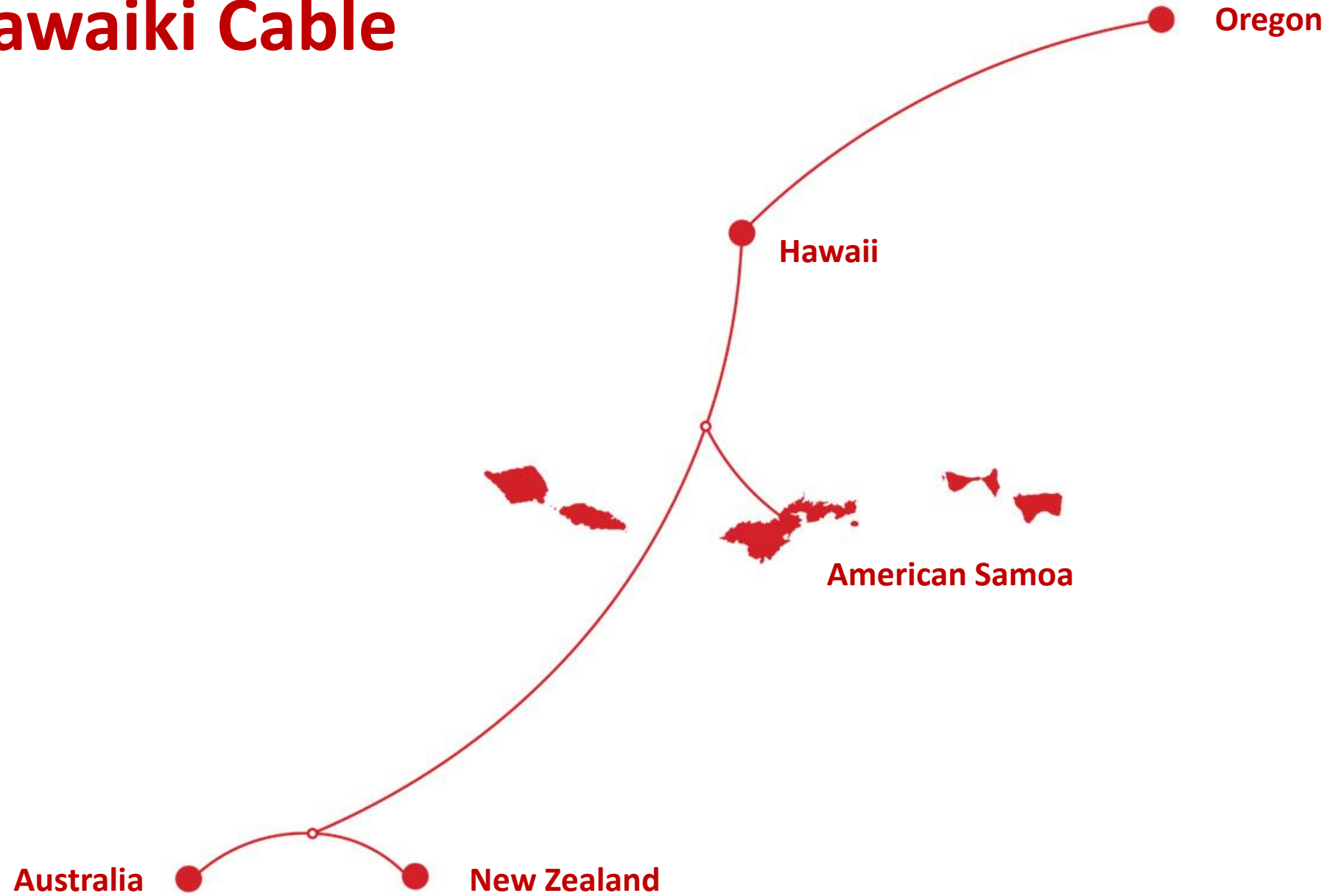


FirstNet



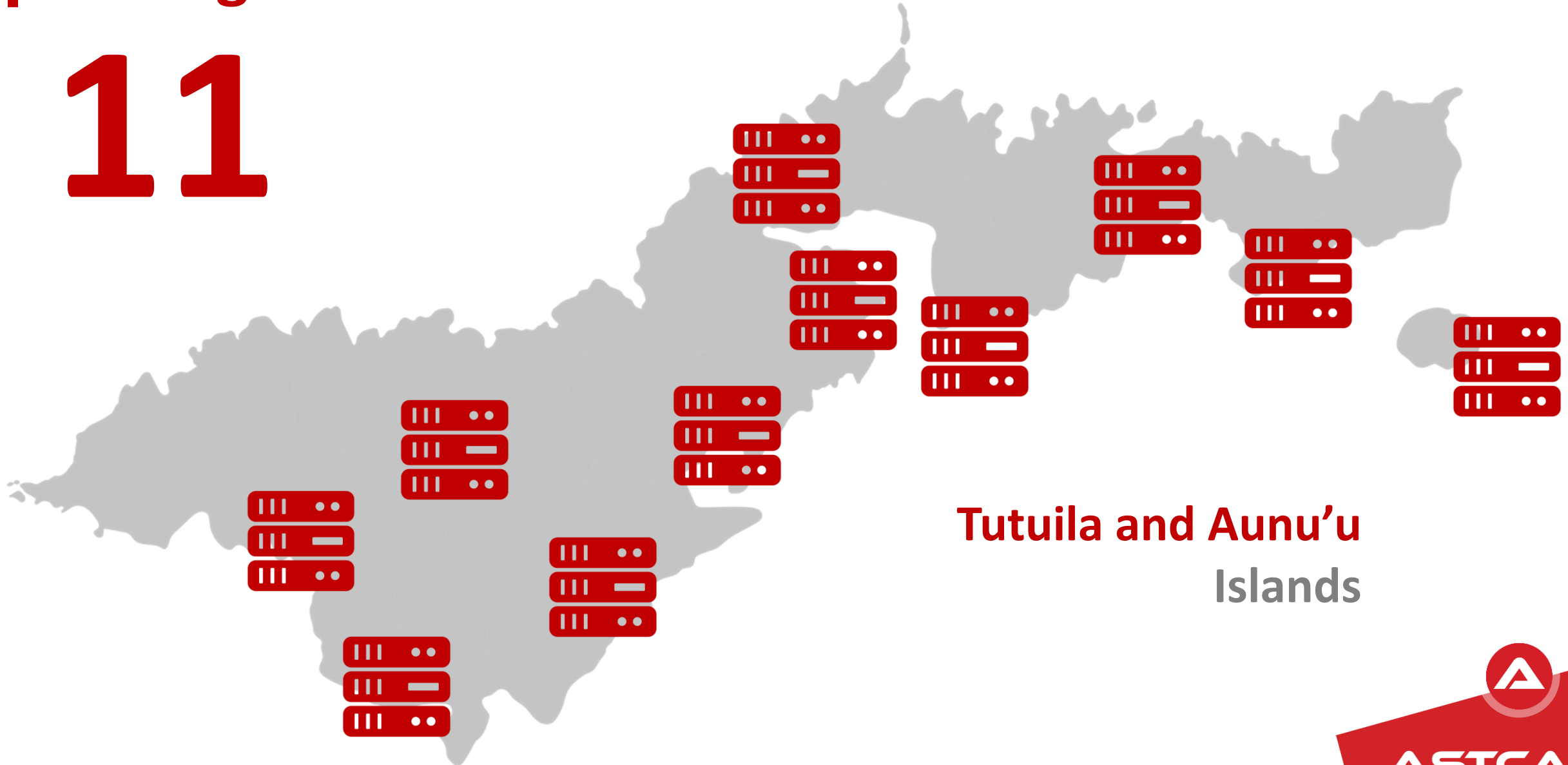


Hawaiki Cable



CO Digital Offices

11

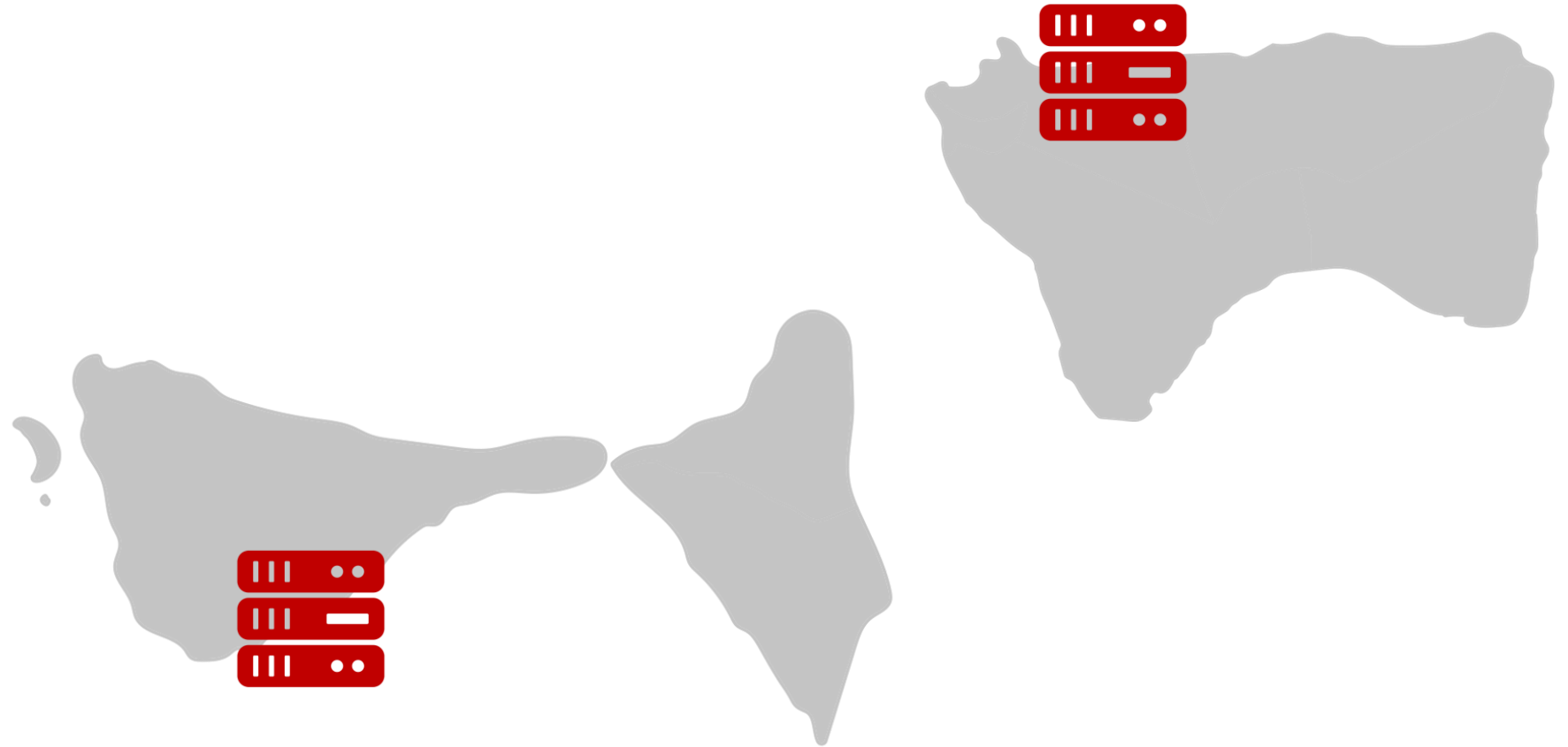


Tutuila and Aunu'u
Islands



| CO Digital Offices

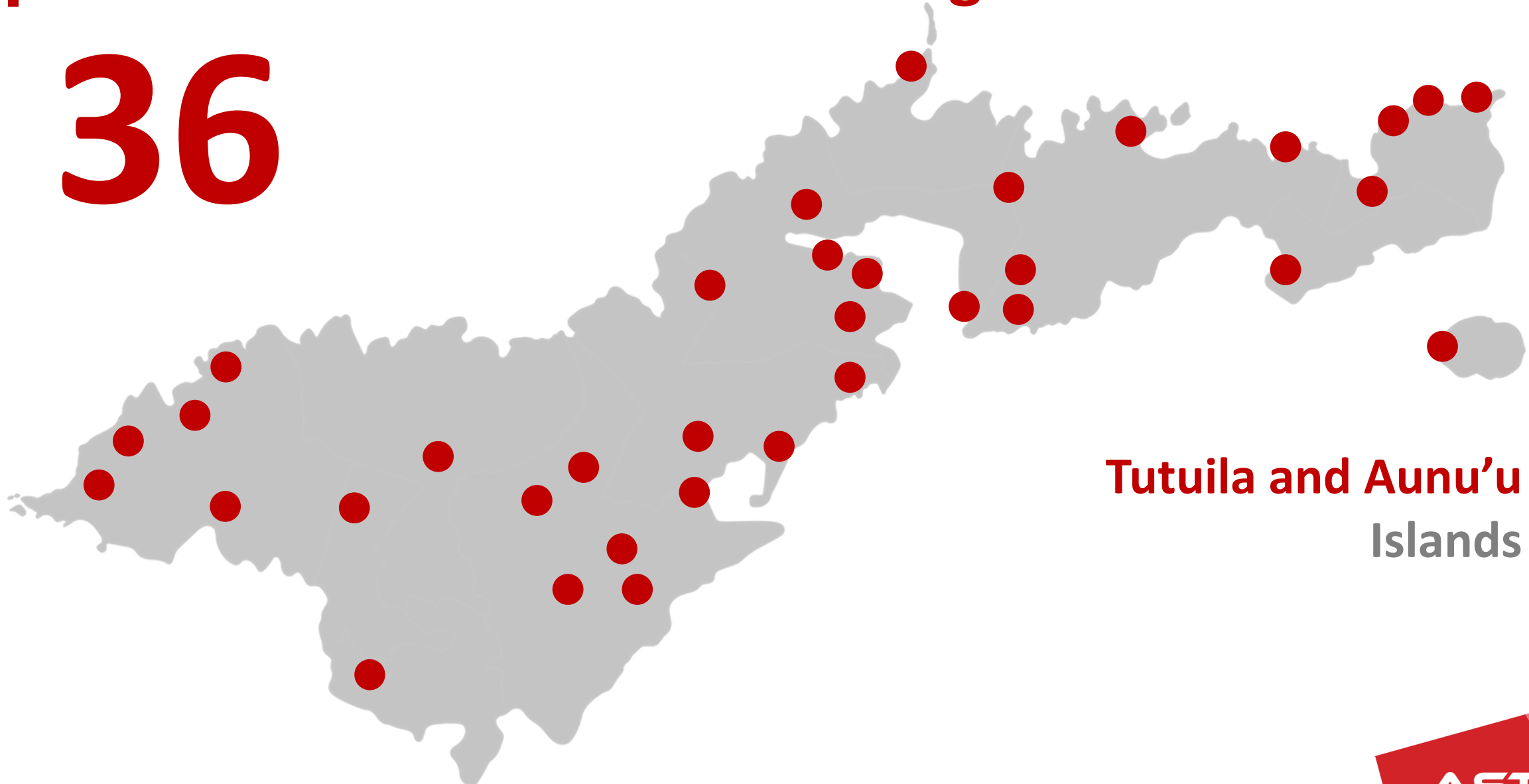
2



**Ofu, Olosega, and Ta'u
Islands**

| Mobile Wireless Tower Coverage

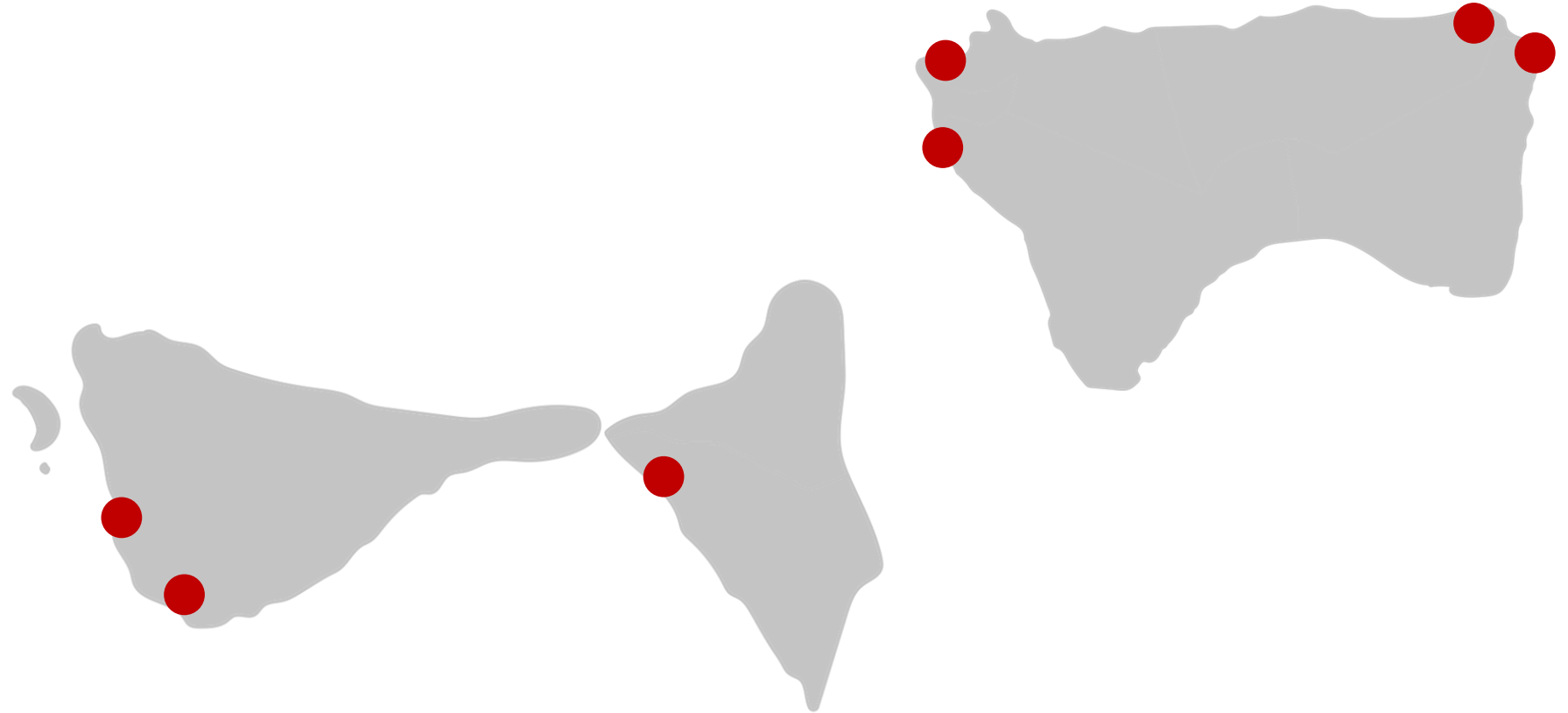
36



**Tutuila and Aunu'u
Islands**

| Mobile Wireless Tower Coverage

7



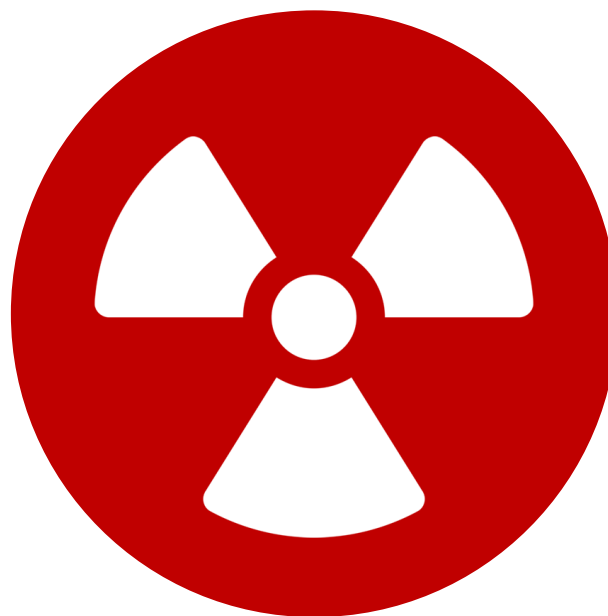
Ofu, Olosega, and Ta'u
Islands

Telecom Emergency Classifications





**Natural
Disasters**



**Man-Made
Disasters**

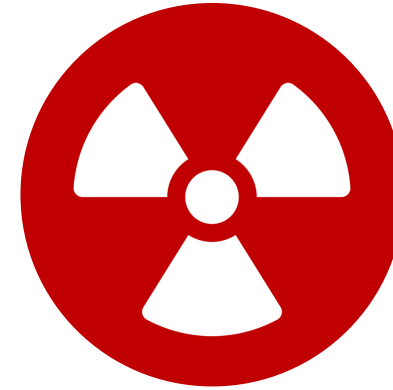


**Other
Disruptions**





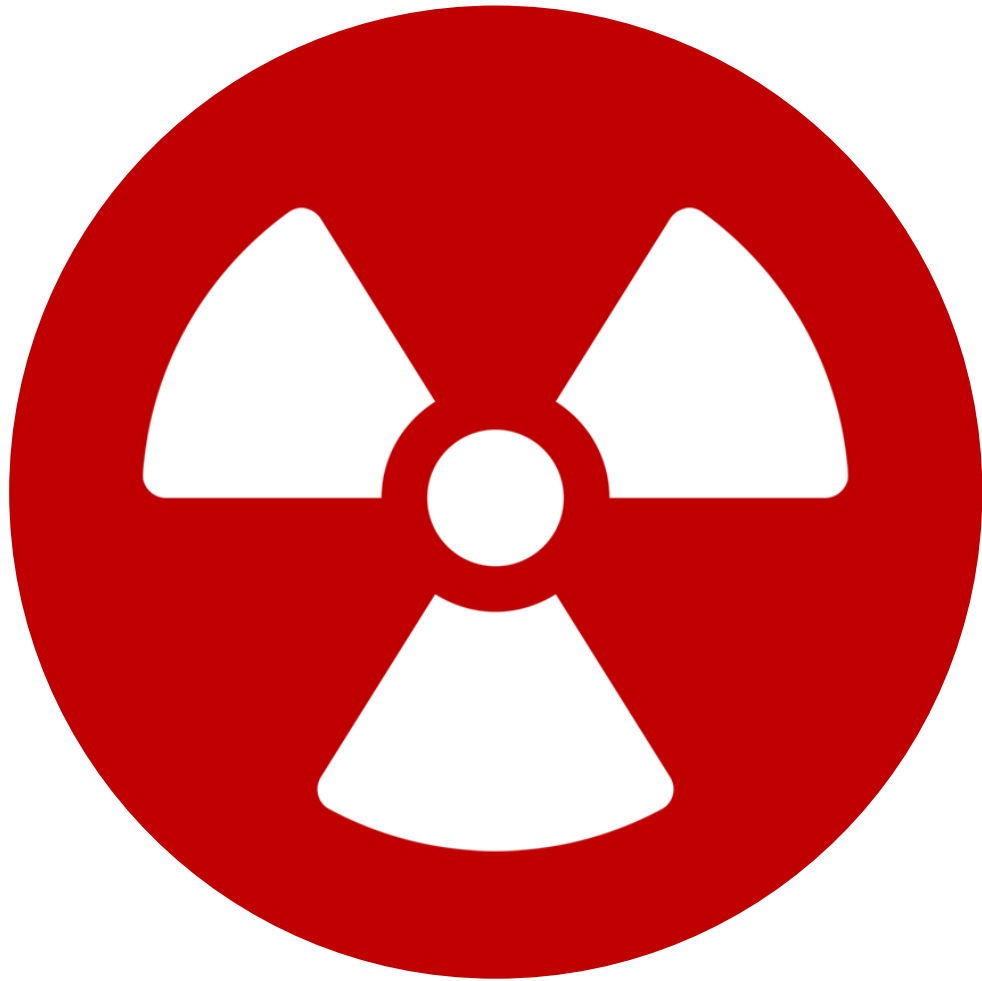
Natural Disasters



**Man-Made
Disasters**



**Other
Disruptions**



**Natural
Disasters**



**Other
Disruptions**

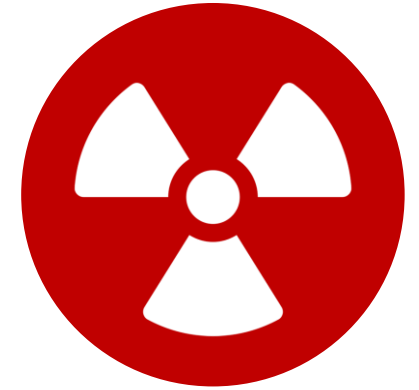
Man-Made Disasters



Other Disruptions



**Natural
Disasters**



**Man-Made
Disasters**

1

Mitigation

2

Preparedness

3

Response

4

Recovery





Mitigation



Preparedness



Response



Recovery



1

Mitigation

2

Preparedness

3

Response

4

Recovery



1

Mitigation

2

Preparedness

3

Response

4

Recovery



1

Mitigation

2

Preparedness

3

Response

4

Recovery





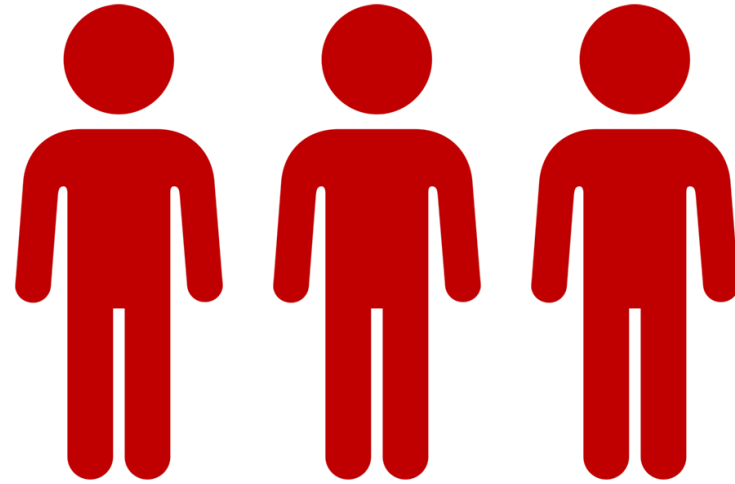
Last 10 Slides





PREPAREDNESS AND RECOVERY
and MITIGATION

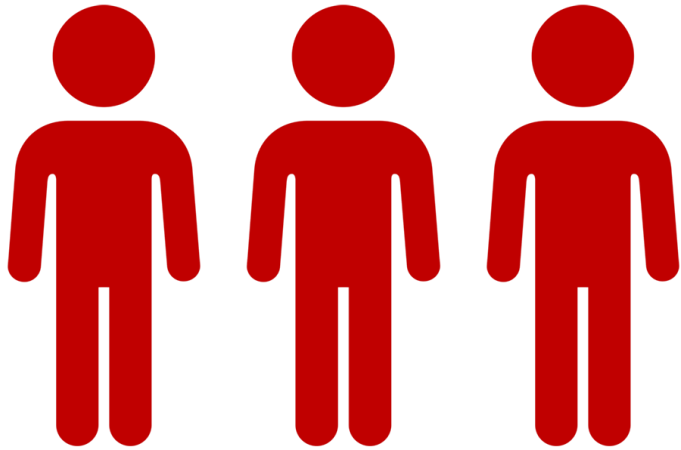




Staffing Preparations



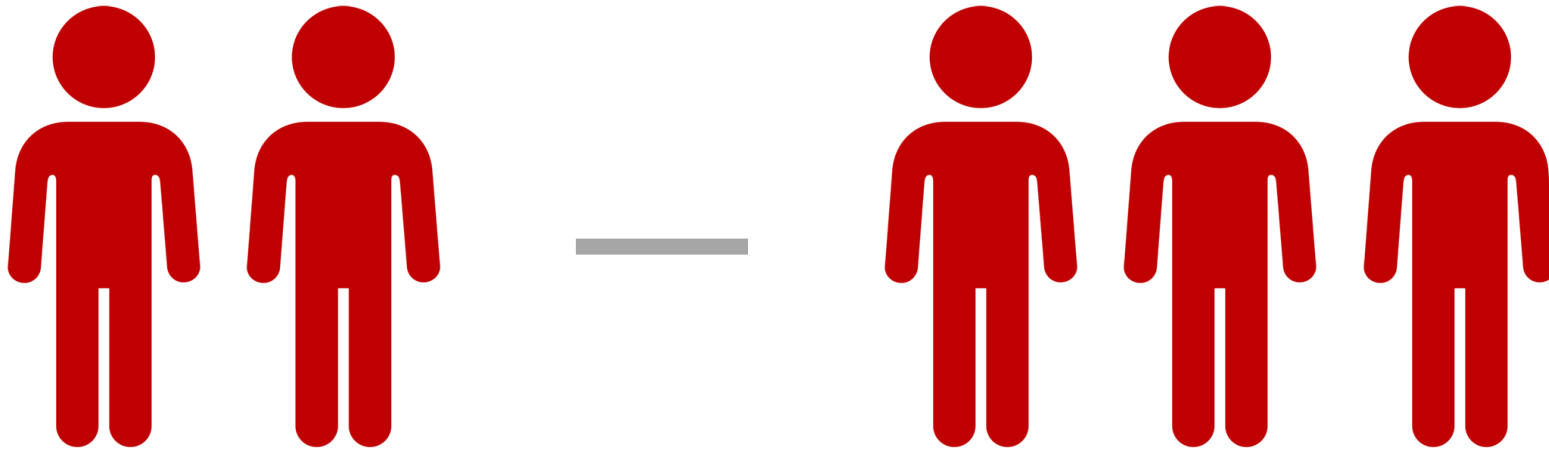
| Switch Team



Upon activation of command posts.



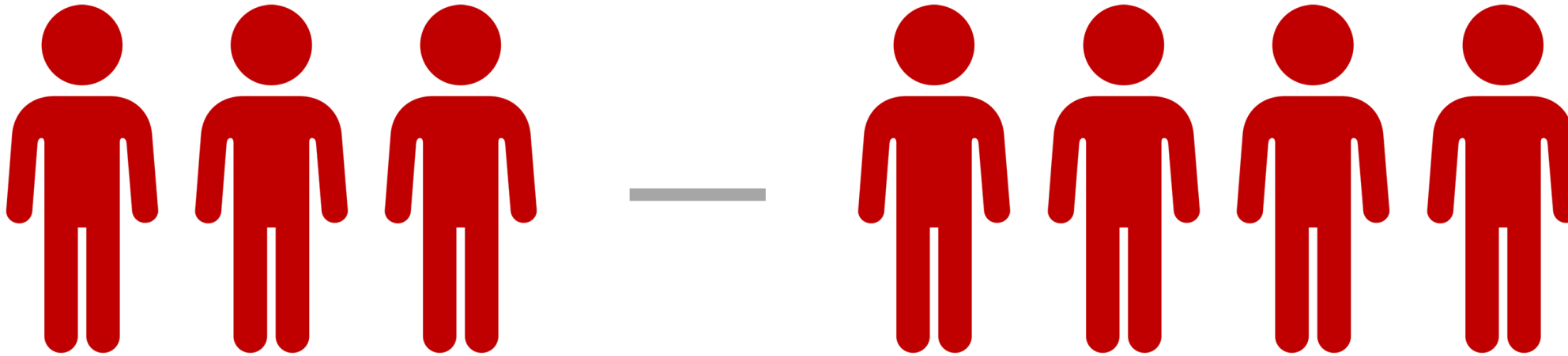
| EPC Team



Upon activation of command posts.



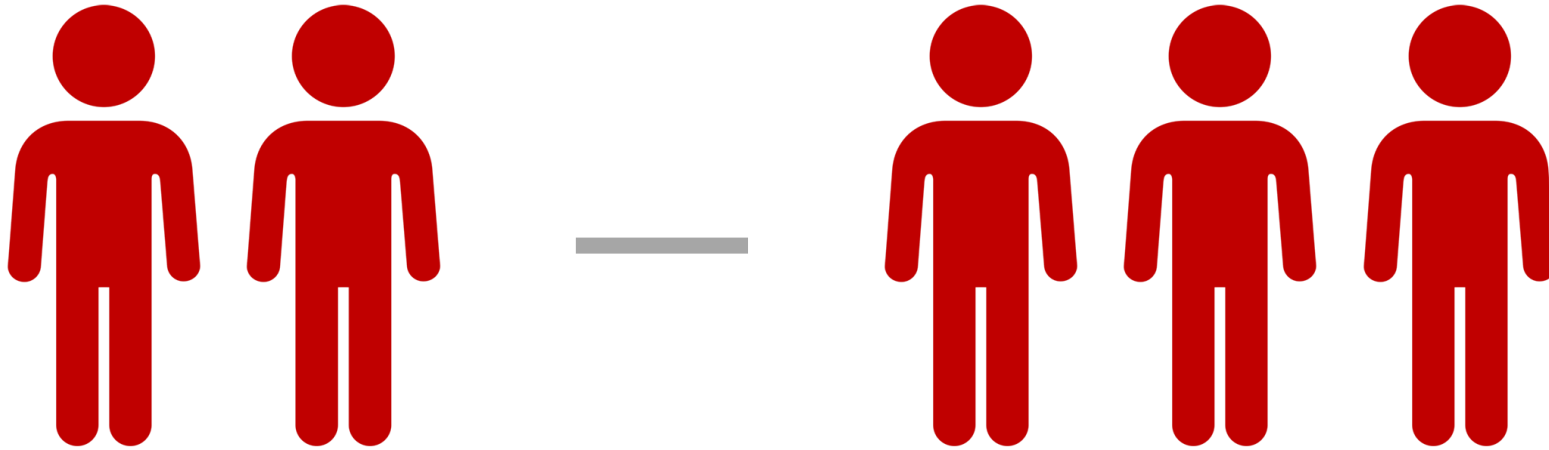
| ISP / Core Network



Upon activation of command posts.



| MIS/IT

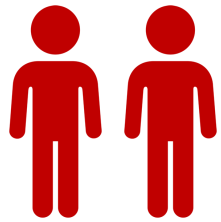


Upon activation of command posts.

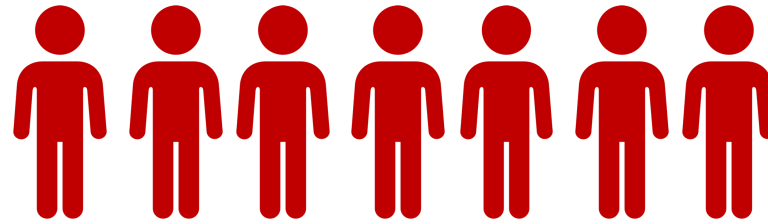


| Service Delivery

Faga'itua | 2



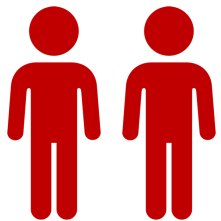
Tafuna | 7



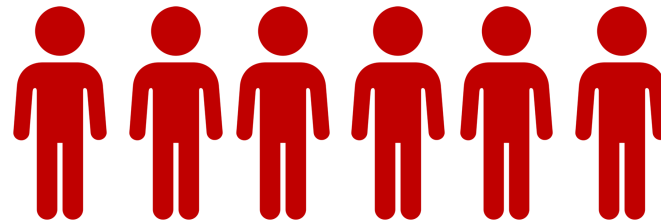
Aunu'u | 1



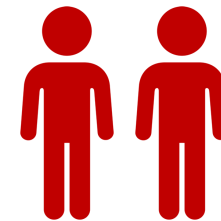
Fagatogo | 2

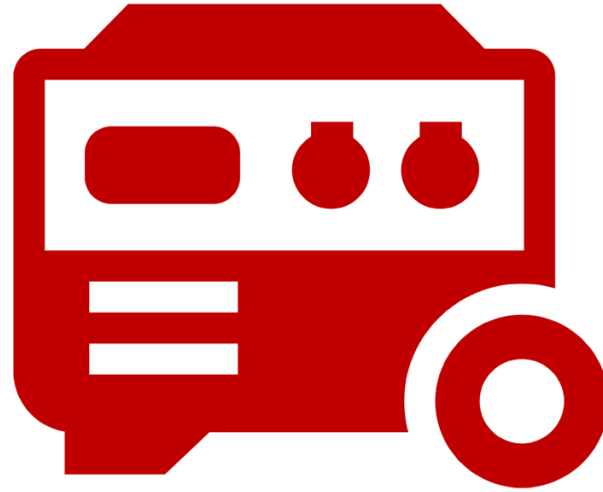


Leone | 6



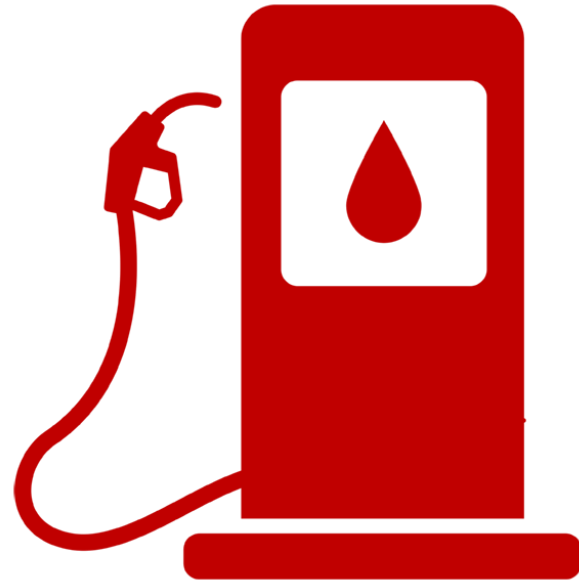
Manu'a | 2





Generators





Fuel Levels





2-Way Radios





SMS Messaging





Television Support





Satellite Phones





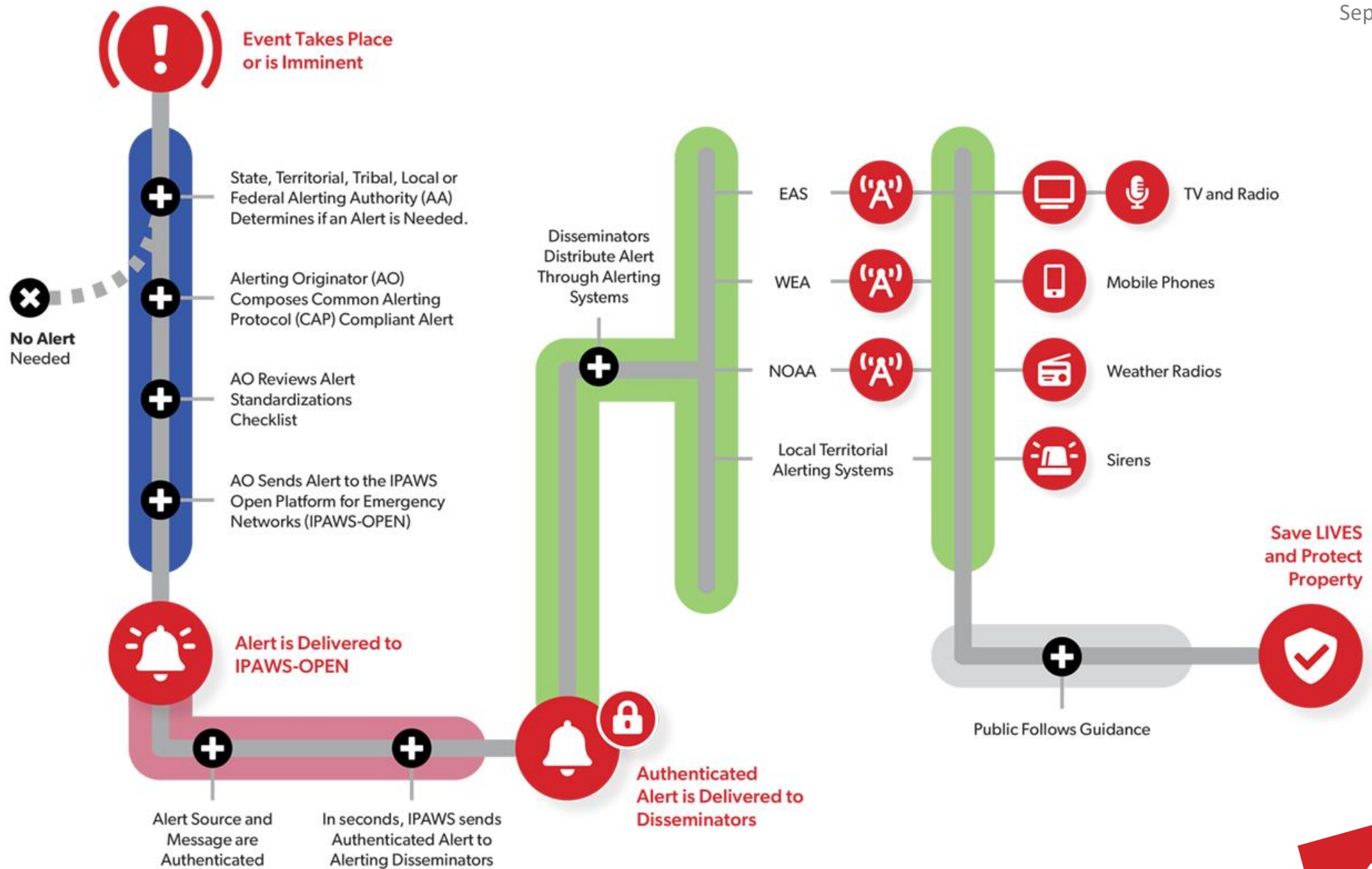
VSAT Satellites





Wireless WEA Alerts







FirstNet Network



141

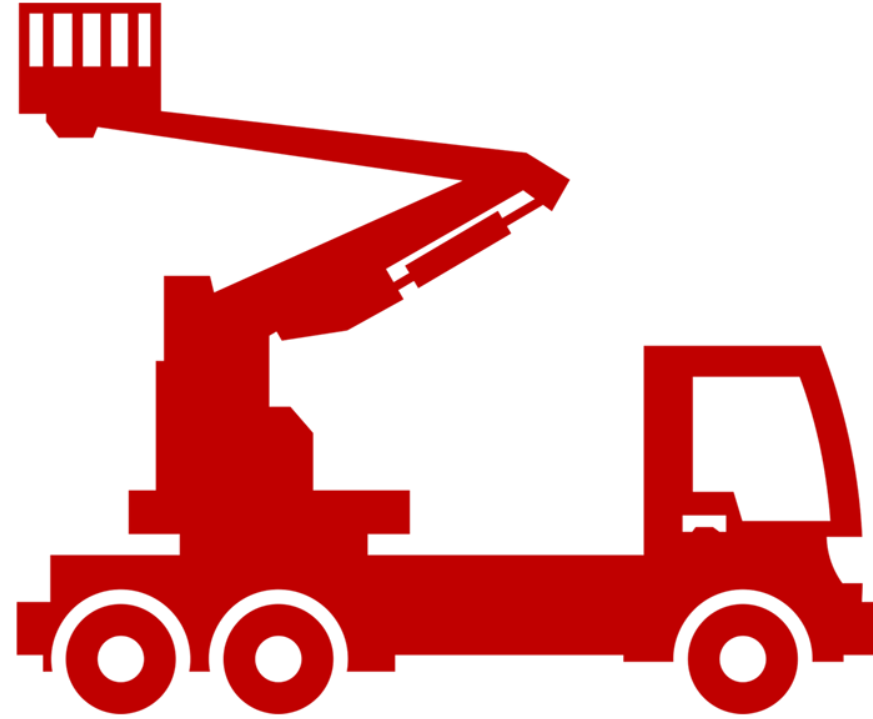


Cellular On Wheels

2nd Annual Disaster Resilience Summit
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ASTCA



Vehicle Readiness





Bucket Trucks

7

Pickup Trucks

21

Flat Bed Trucks


3

Passenger

12

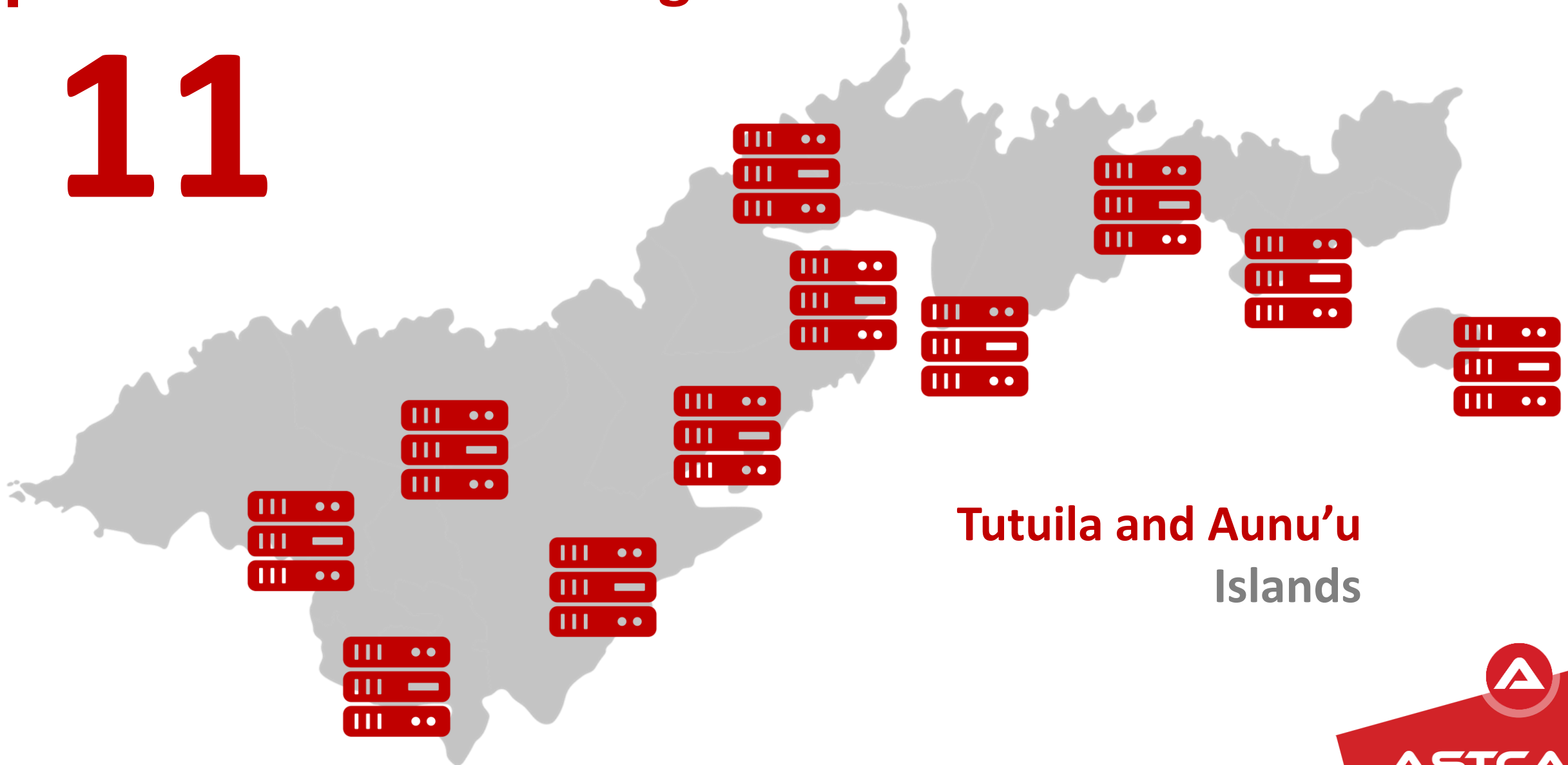


POWER BACKUP SYSTEMS



CO Generator Coverage

11

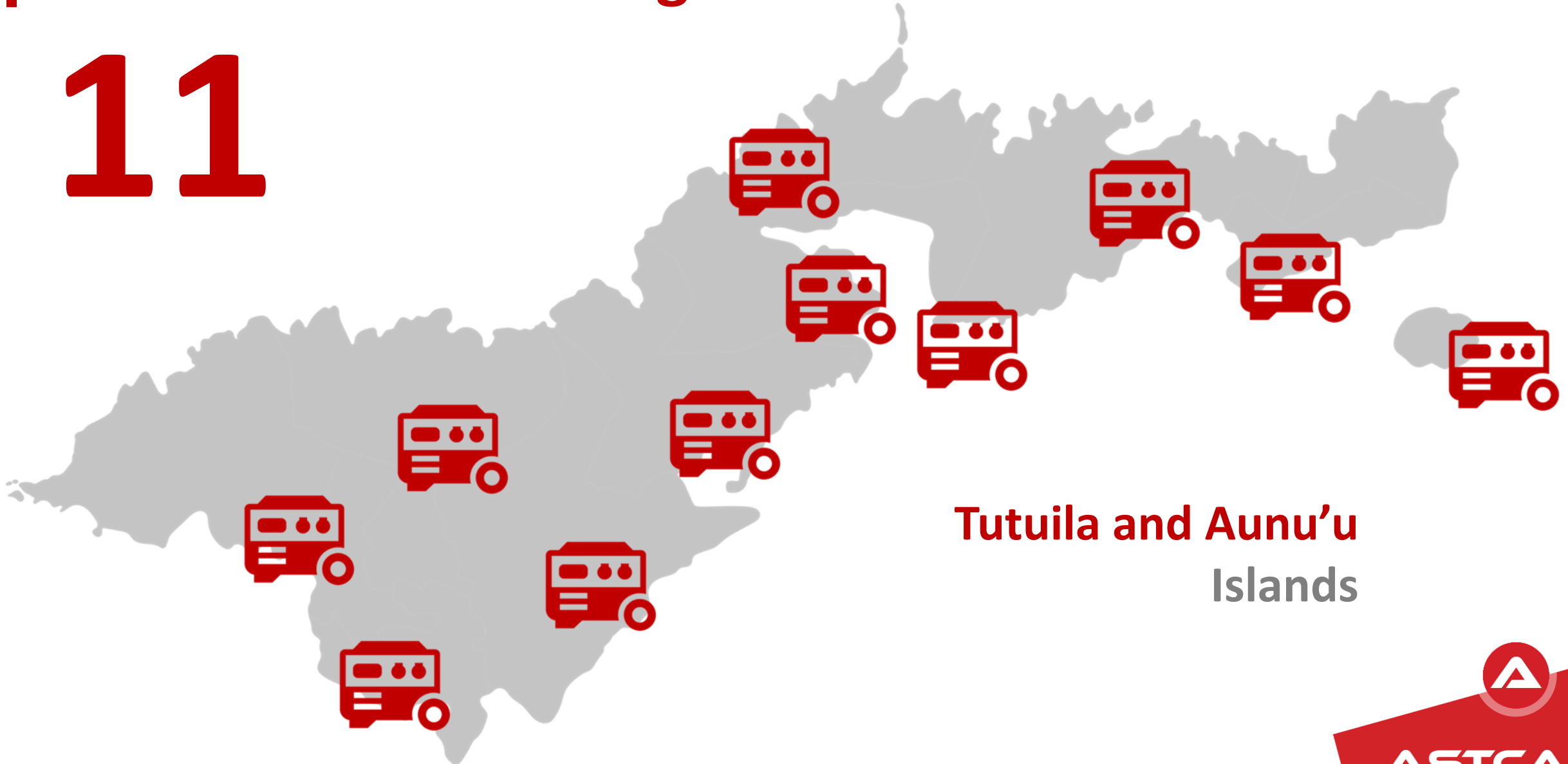


Tutuila and Aunu'u
Islands



CO Generator Coverage

11

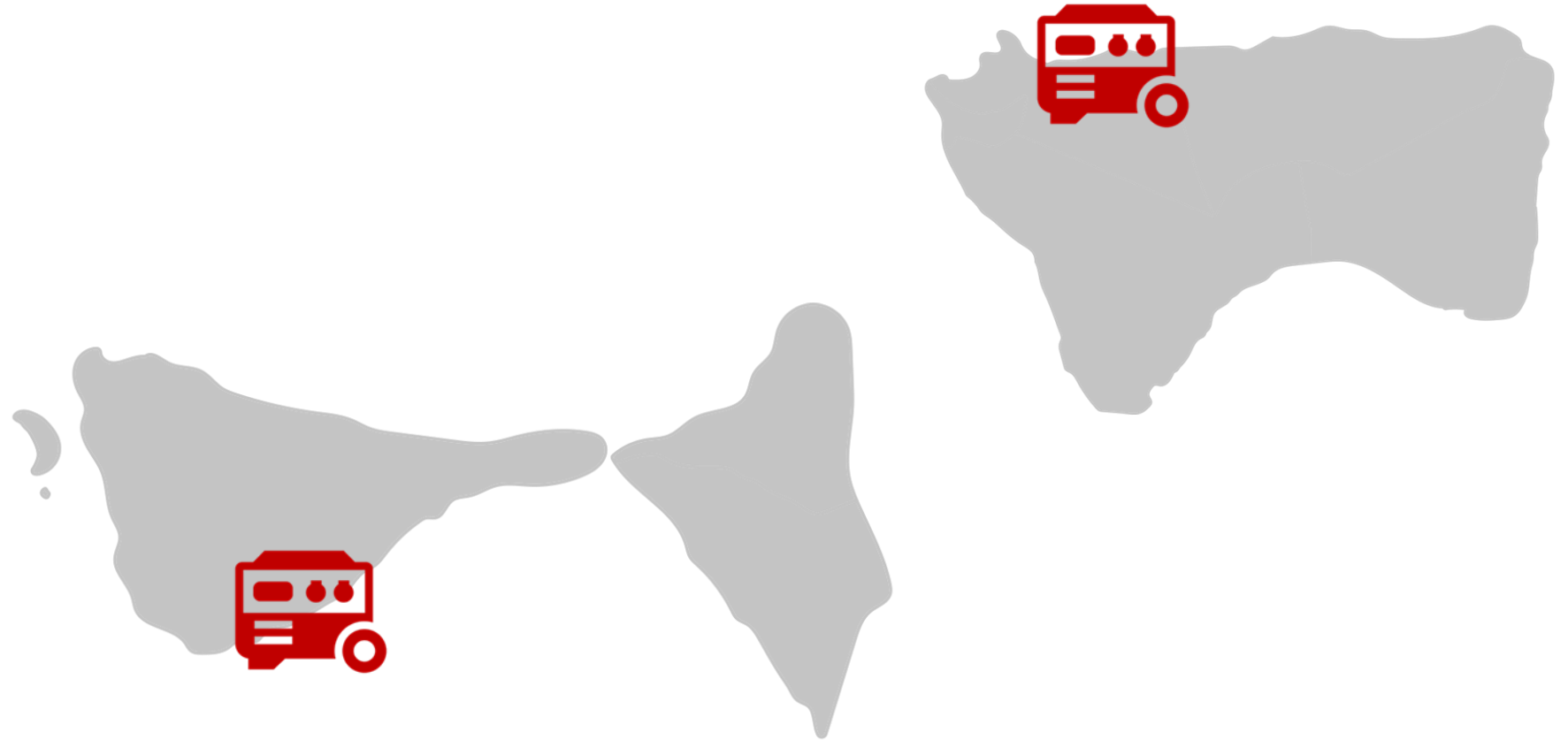


Tutuila and Aunu'u
Islands



| CO Generator Coverage

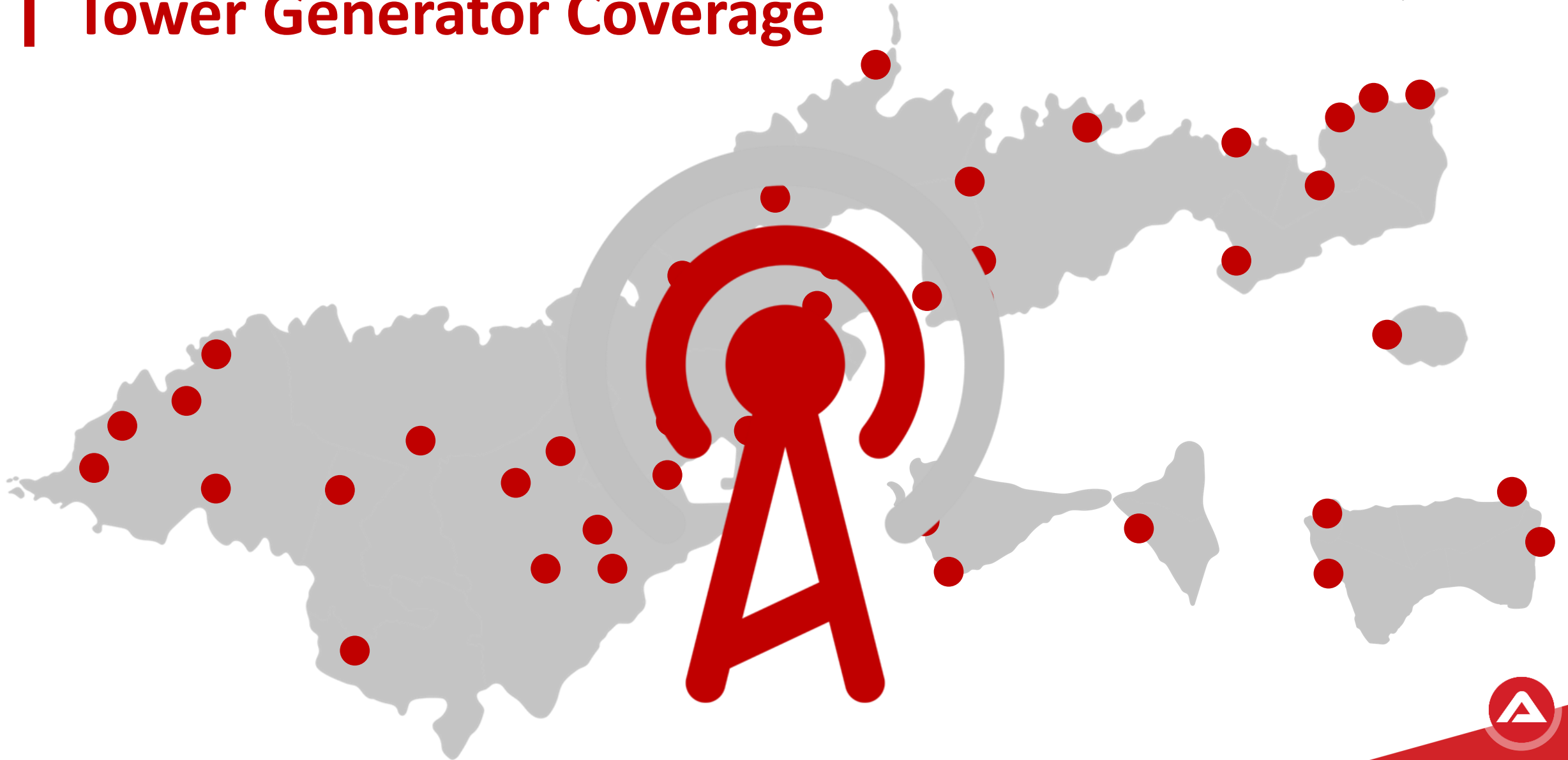
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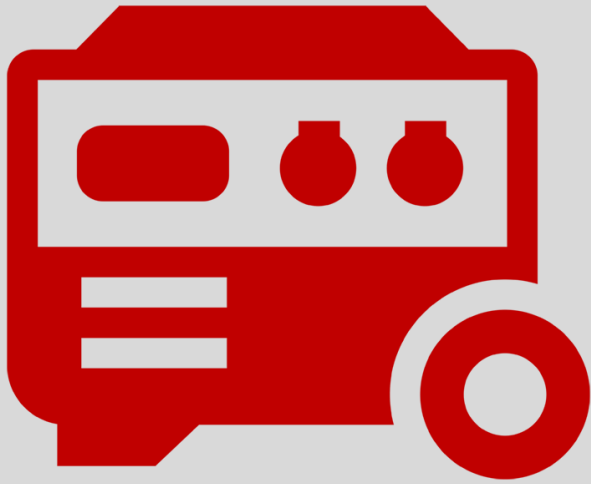
**Ofu, Olosega, and Ta'u
Islands**



Tower Generator Coverage



| Mobile Tower Generator Coverage



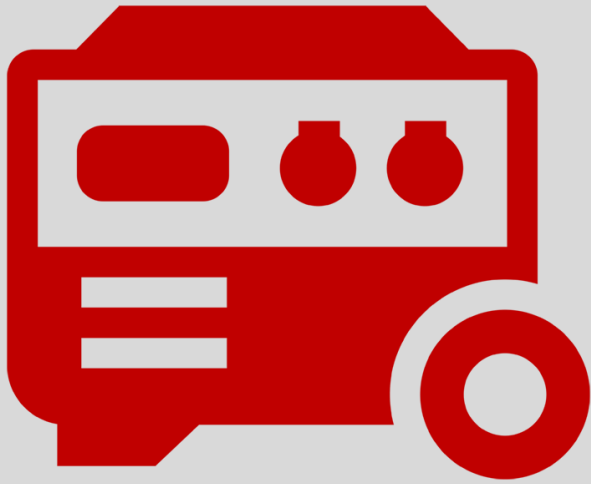
19

Active Now



ASTCA

| Mobile Tower Generator Coverage



14

Pending Installation



ASTCA



Fuel Expectations



Fuel Capacities

COs [CORE]

 3 - 4 Days

COs

 2 - 3 Days

Mobile Wireless Towers

 Hours









Thank You

Fa'afetai Tele Lava



ASTCA