Techlanta Transport

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- Inefficient traffic lights
- Waste of Fuel
- EMS Response Time
- Congested Highways

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Techlanta Transport

- ➔ Real-time Traffic Updates
- ➔ Collaboration with Public Services
- ➔ Energy Redistribution

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Cisco Meraki MR84

- ➔ Wi-Fi 6 Network
- ➔ 3.52 sq. mile area
- ➔ One device on each block

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Techlanta Transport App

➔ Why an App?

➔ Wi-Fi Authentication

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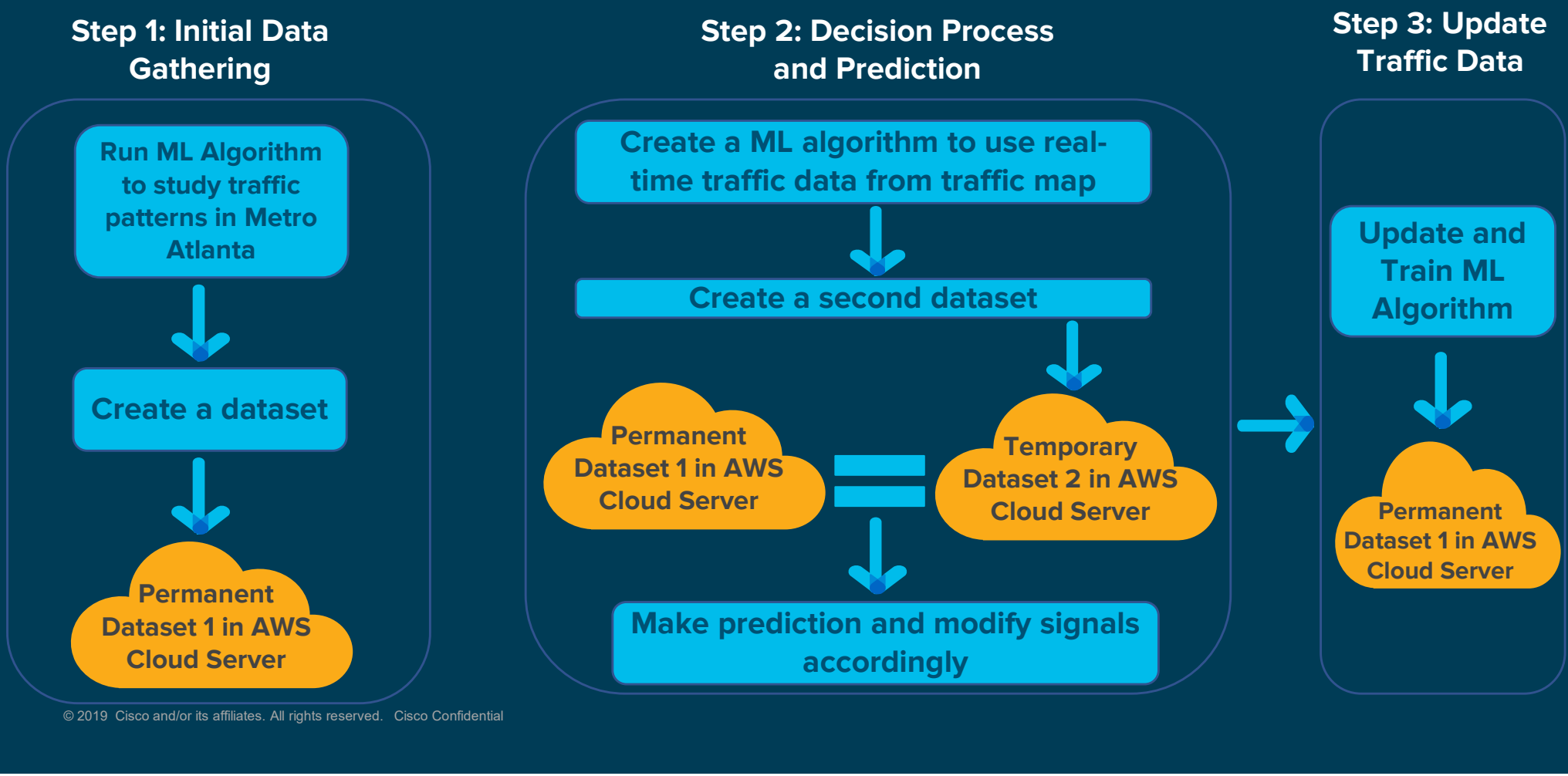
Traffic Light Software



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Traffic Map Demo

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Smart Traffic Lights

- ➔ Receive information from traffic map
- ➔ Dynamically update traffic signals
- ➔ Optimizes traffic flow

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App and Emergency Services

- ➔ Real time alerts and updates
- ➔ Send location to EMS
  - Verification

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Network Segmentation

Seperate Network for Emergency Services

Map Access

Reduced Response Time

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App and Businesses

➔ Location dependent advertisements

➔ Subscription Modeling

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Security

- AWS
  - Visibility
  - Identity
  - Policy Declaration
- Stealthwatch
  - Entity Modeling

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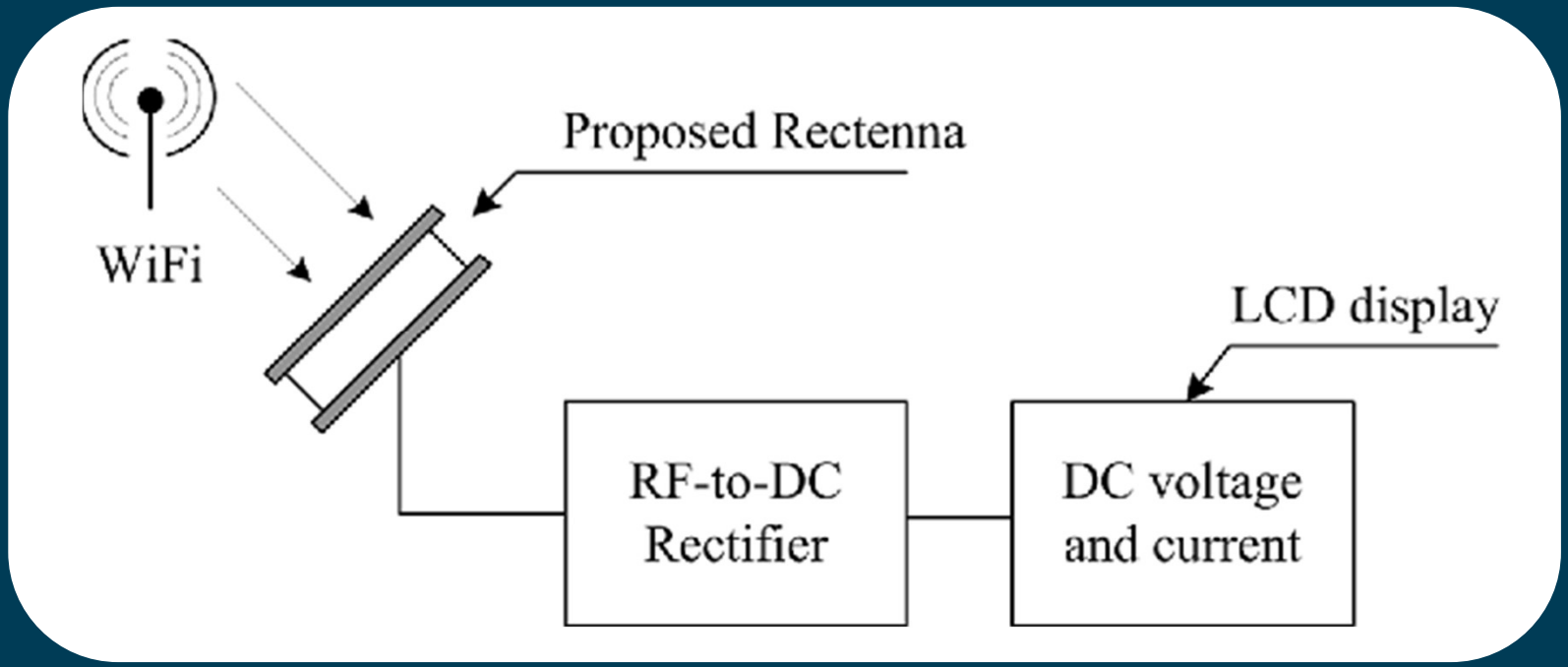
Energy Conversion



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Implementation

Meraki Access Points $649,400/yr

+

Rectenna $5,000/yr

+

App $8,333/yr

+

Data Storage $63,000/yr

+

Security $58,000/yr

+

Meraki Heat Map $70,000/yr

$865,711/yr

=

5 year total cost:
$4,328,554

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Industries

Automotive

Healthcare

Businesses

Energy

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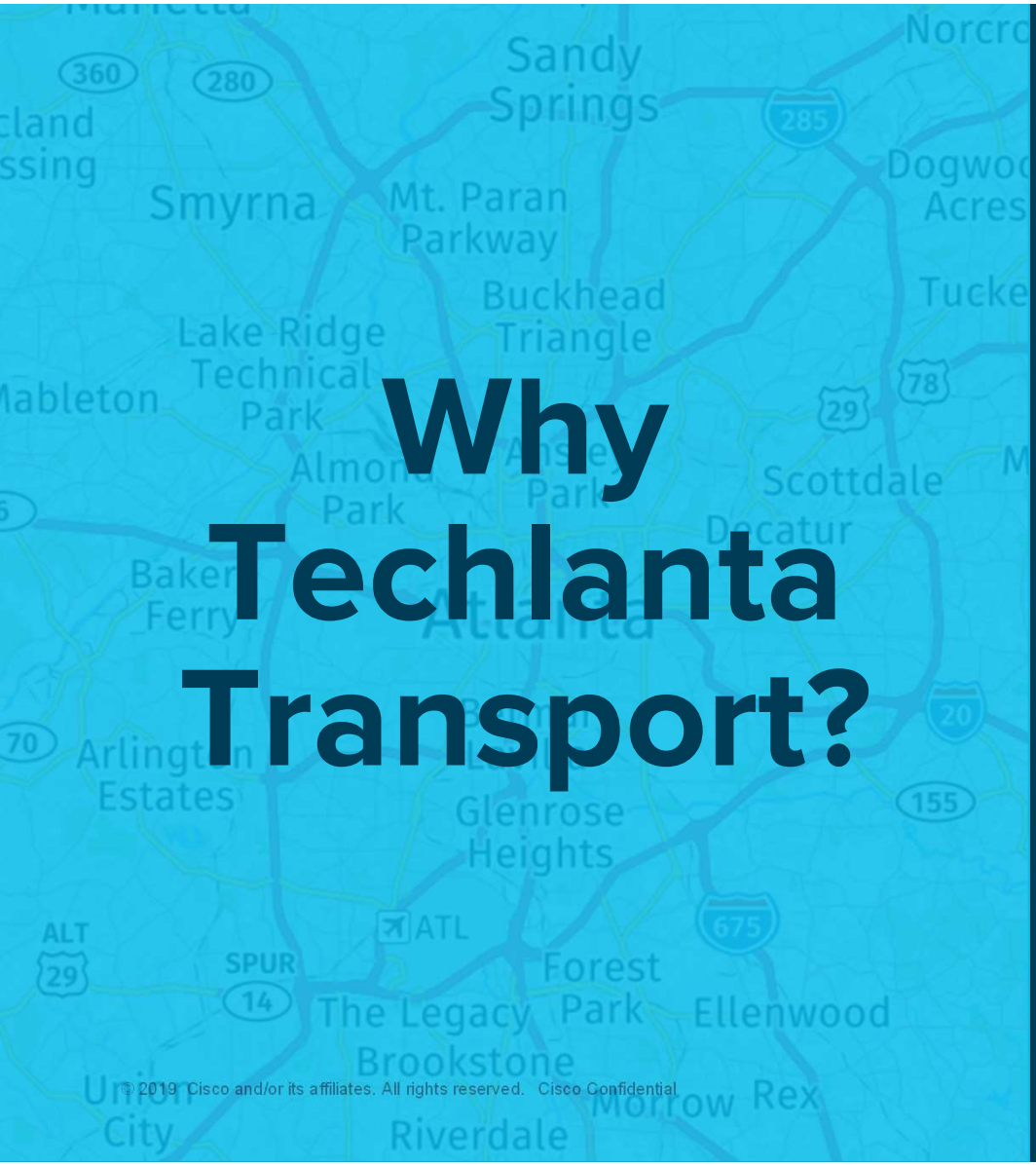

Why Techlanta Transport?

➔ All-encompassing

➔ Dynamic

➔ Scalable

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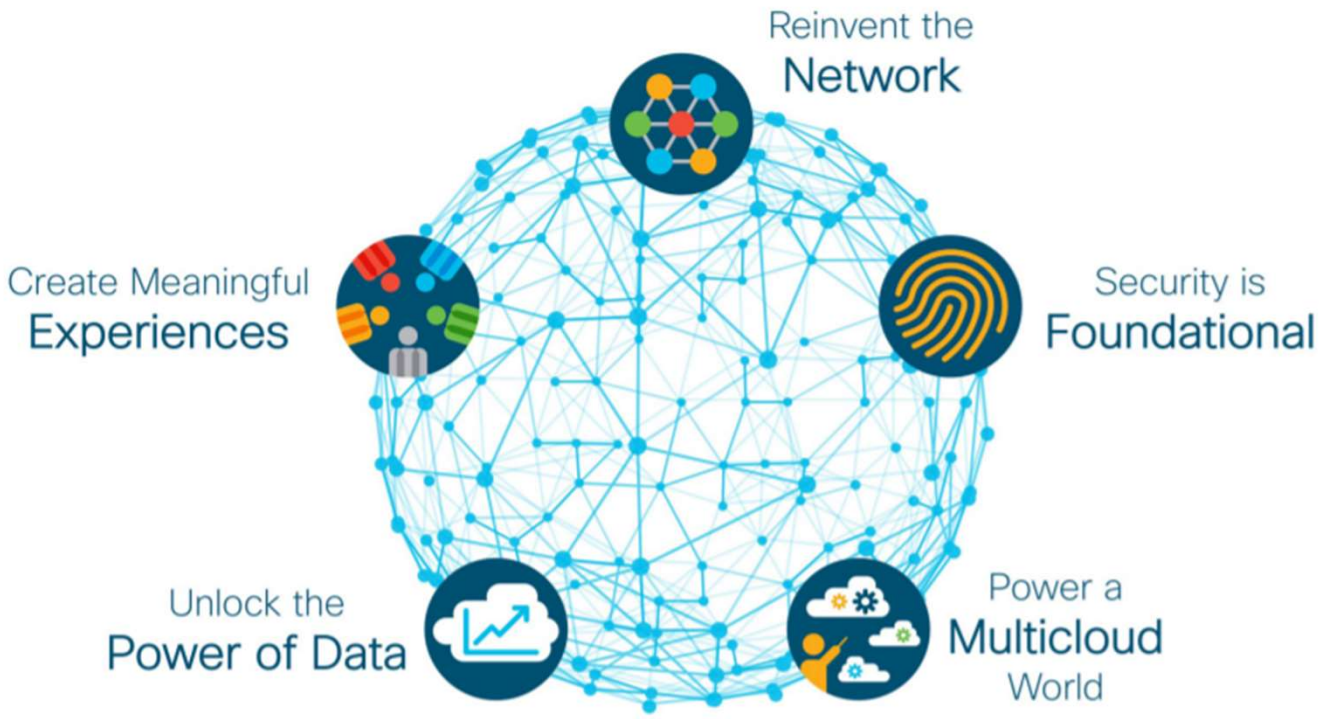
Cisco and Techlanta Transport



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Questions?

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