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MEC: Building a Bridge to 5G

June 3, 2018

Rui Frazao

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DEPTH: 70 METERS
FISH CAUGHT: 54/DAY (AVG)
TREES: DECIDUOUS 68%
EVERGREEN 32%
PARK: 20 SQ/KILOMETERS
TRAIL: 8.05 KILOMETERS
POPULATION: 620,000
AVG. HOUSEHOLD: 3

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6 km/h
3 km/h
0 km/h
20 Minute Delay
ALERT AHEAD
7 km/h
ALERT AHEAD!
CAR ACCIDENT
3 KILOMETERS
20 MINUTE DELAY
SPEED
8 Km/h

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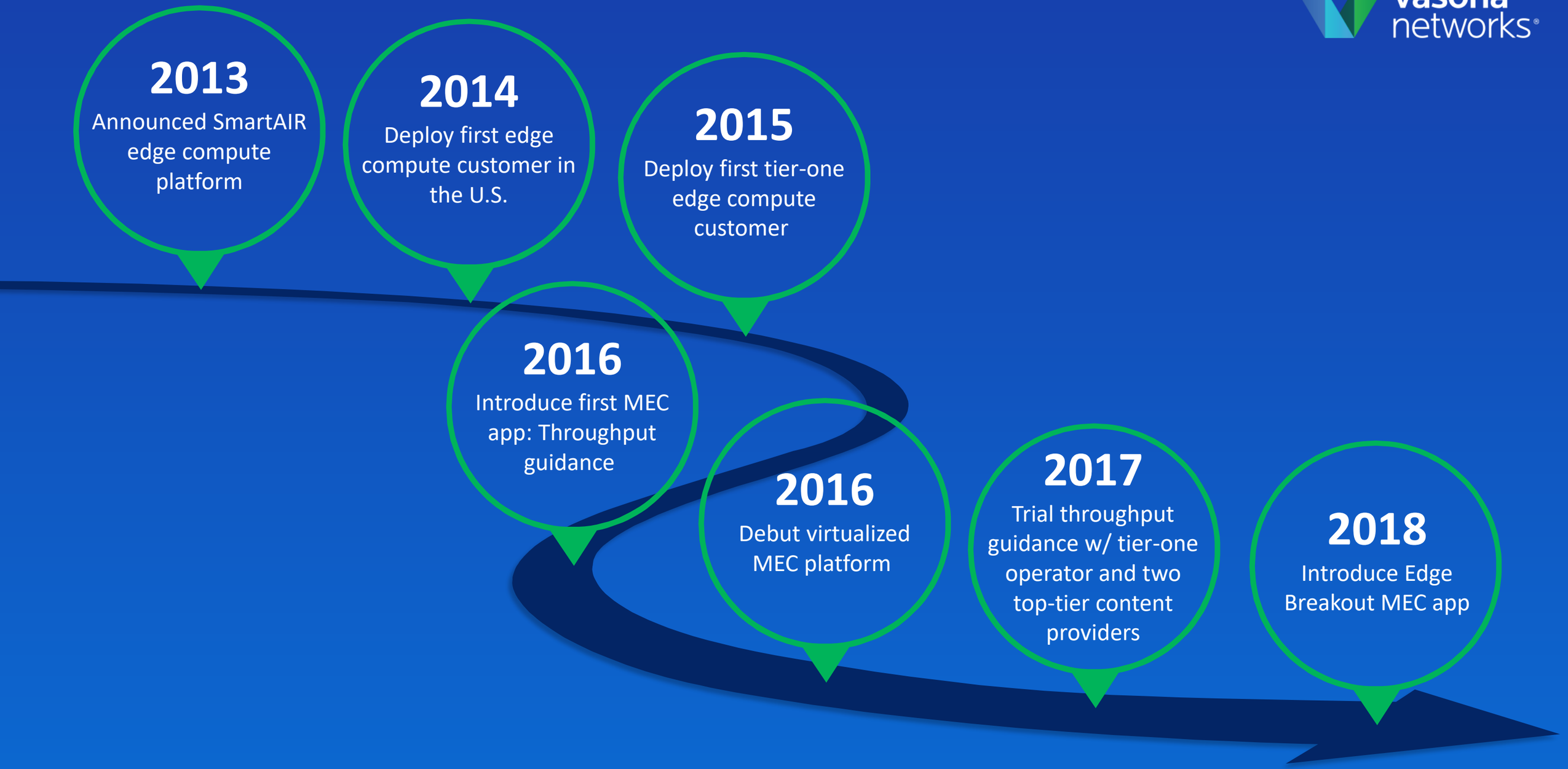
MEC
5G
NFV
ONAP
Network Slicing
IoT


2013
Announced SmartAIR edge compute platform
2014
Deploy first edge compute customer in the U.S.
2015
Deploy first tier-one edge compute customer
2016
Introduce first MEC app: Throughput guidance
2016
Debut virtualized MEC platform
2017
Trial throughput guidance w/ tier-one operator and two top-tier content providers
2018
Introduce Edge Breakout MEC app

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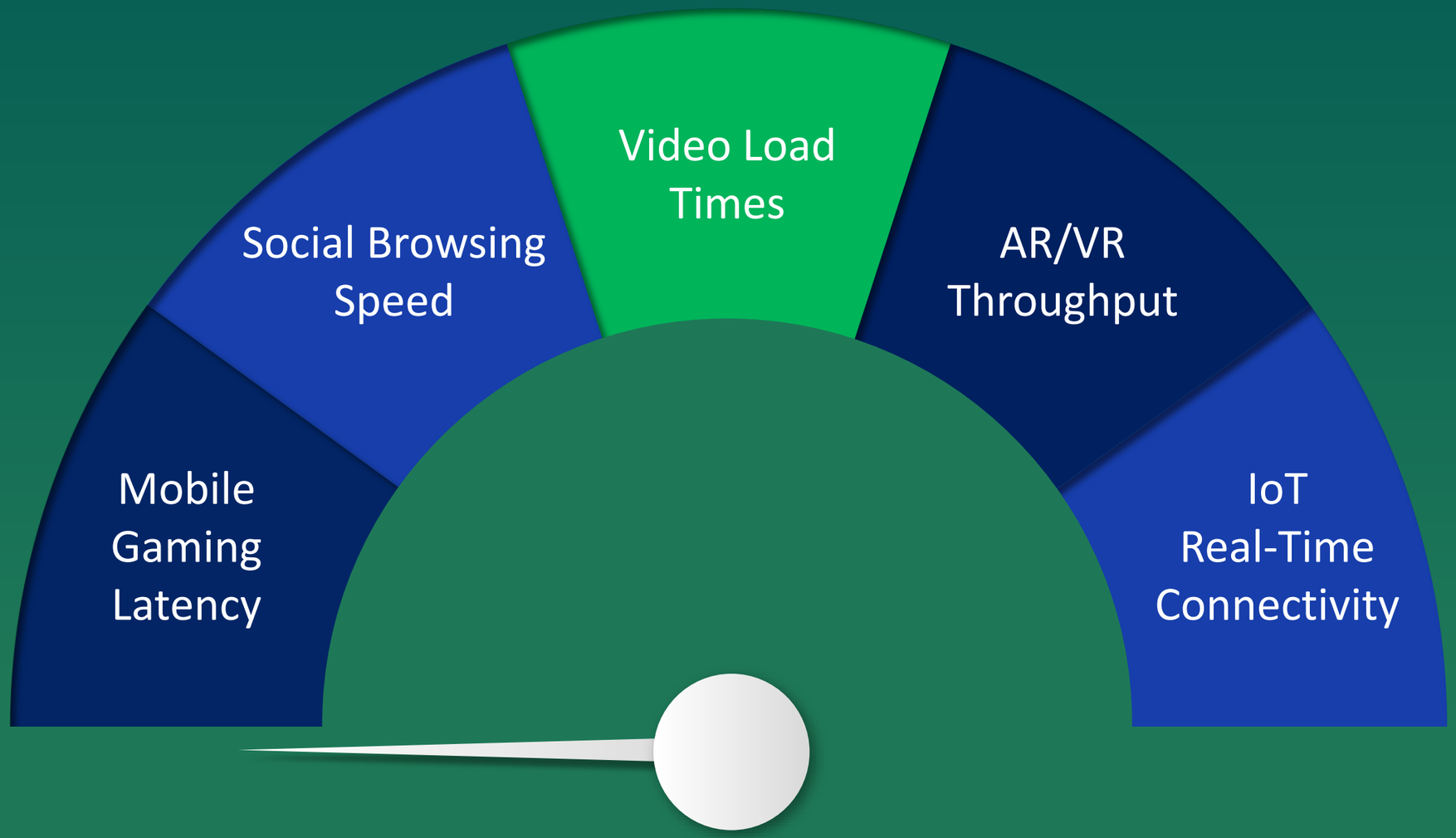

ALERT AHEAD!
CAR ACCIDENT
3 KILOMETERS
20 MINUTE DELAY
SPEED
8

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ACCESS SLICES

MEC

Applications

Network Functions

CORE (Disaggregated)

vMME$_i$

vSGW$_i$

vPGW$_i$

DATA CENTER

Private Clouds

Enterprise APNs

CDN Presence

Internet

End to End Slicing Orchestration

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