

connect IQ™

Sr. product manager
NICK KRAL





What

is

Connect

iq?





Purpose drive
products



design principles



Water proof



Sunlight readability



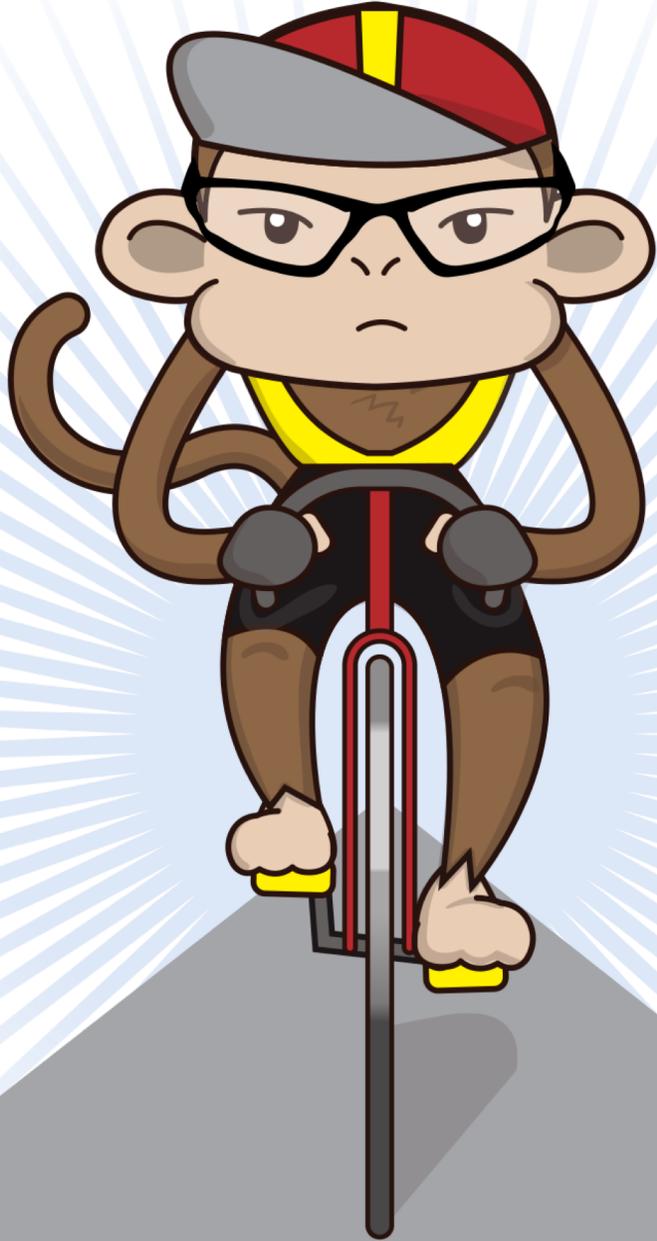
durable



Battery life







MONKEY
POWER
ED



Spotify

Music



Deezer

Music



iHeartRadio...

Music



Navigate Your World

Connect IQ
Store

September 24th, 2014
Kananaskis, Canada





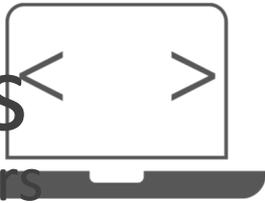
We have come
A long way

Connect Iq

A fast growing app ecosystem

Thousands

CIQ Developers



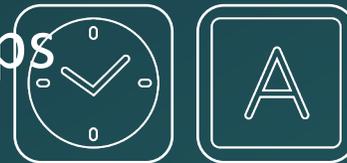
millions

CIQ Devices



Thousands

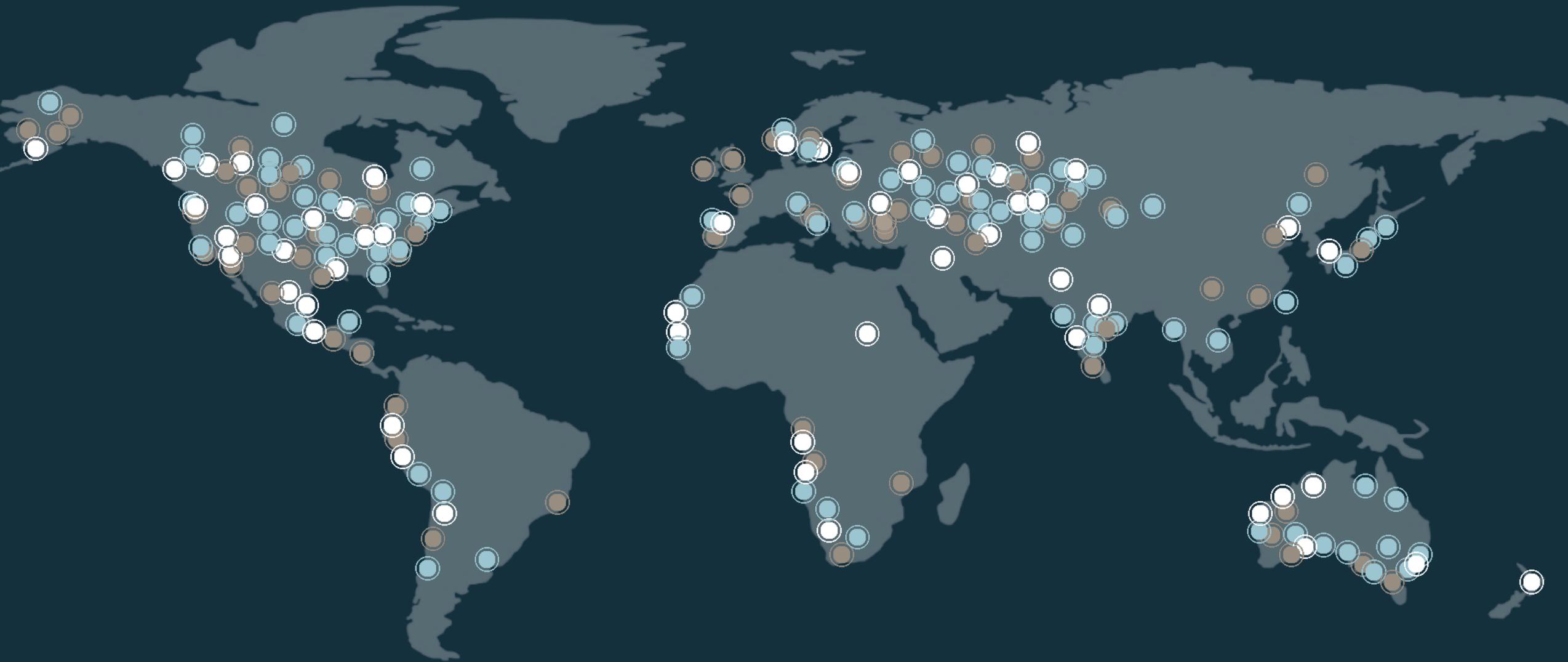
CIQ apps



Many millions
CIQ downloads



Global Representation





CONNECT IQ highlight
2018-2019

A circular frame captures a vast, snowy mountain landscape. The sun is low on the horizon, creating a warm, golden glow and casting long, soft shadows across the snow. A lone skier is visible on a wide, smooth slope in the lower left quadrant. The foreground shows a rocky, snow-dusted peak. The overall scene is serene and majestic.

New Energy



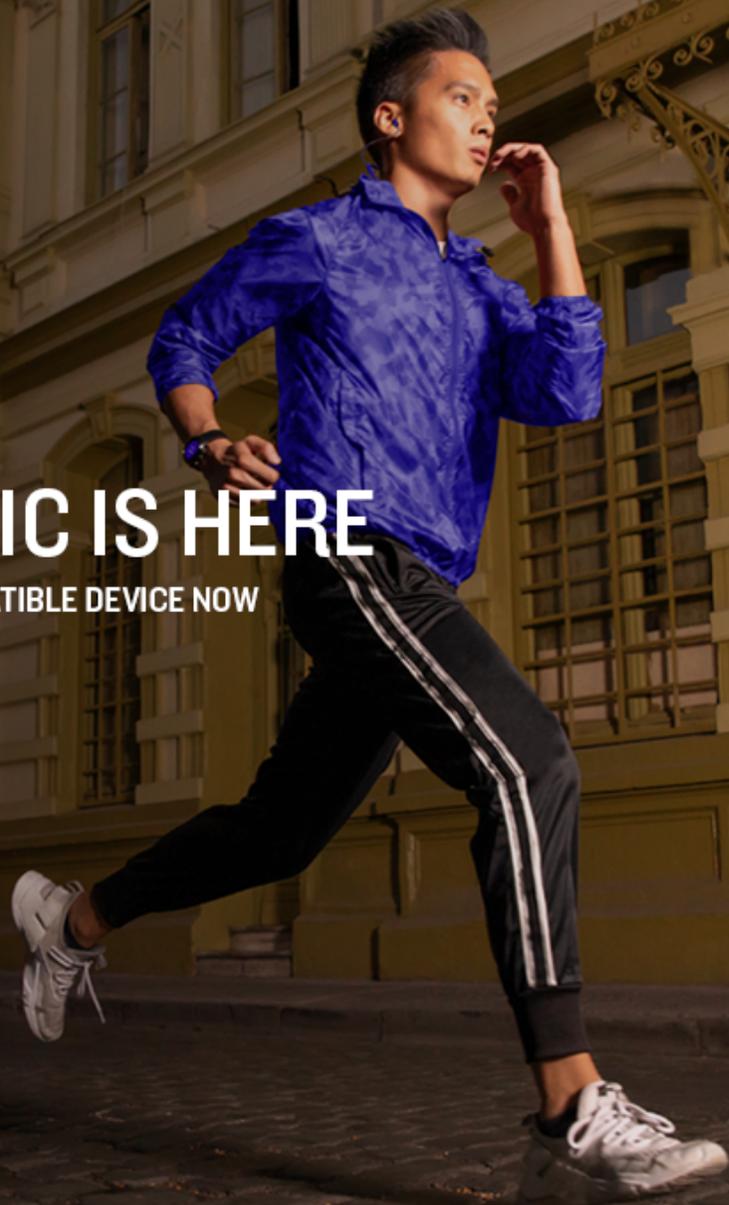
New
Look

New
Style



AMAZON MUSIC IS HERE

DOWNLOAD THE APP TO YOUR COMPATIBLE DEVICE NOW



connect IQ™ 3.1

connect IQ™ 3.1



Reducing friction

New Layouts
Page Stacks
More storage



NEW TOOLS

New Store
Exception reporting application (ERA)
New Forums
Animations



MORE CONNECTED

Wi-Fi for Device aPPS
ANT+ Manufacturer Pages
Bluetooth low energy

3.1 devices



3.1 devices



Approach S60

D2 Charlie

Descent Mk 1

Edge 130

Edge 520 Plus

Edge 530

Edge 820

Edge 830

Edge 1030

Fenix 5 Series

FENIX 5 Plus Series

Fenix 6 Series

Fenix Chronos

Forerunner 245 Series

Forerunner 645 Series

Forerunner 935

Forerunner 945

MARQ Series

Vivoactive 3 Series

Vivoactive 4

Venu

Legacy Series

Oregon 700 Series

Rino 700 Series

connect IQ™ 3.1 Use Cases

Musical Instruments

Value Added Metrics

Workouts

connect IQ™ 3.1 Use Cases

Value Added Metrics

Workouts

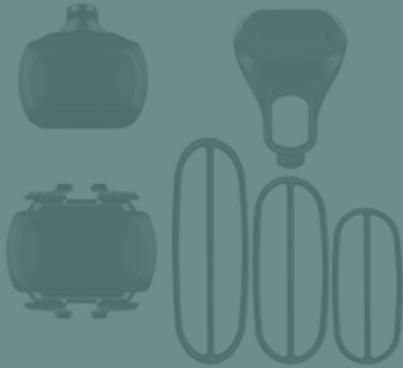
Musical Instrume

ANT





ANT



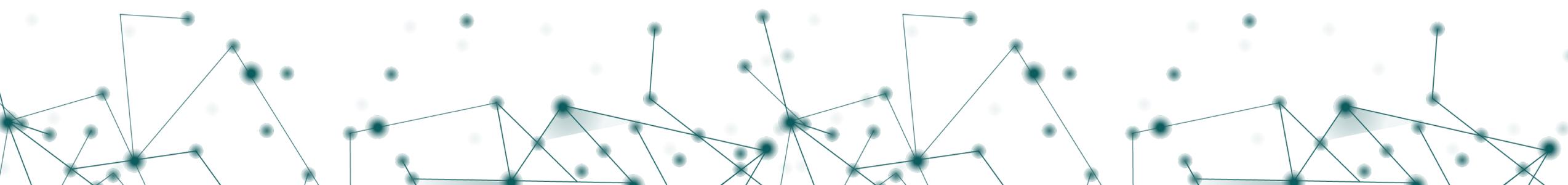


ANT

The "ANT" logo features a teal square icon with a white molecular structure symbol to the left of the word "ANT" in a bold, teal, sans-serif font. Above the text is a teal cloud icon with three curved lines below it representing a signal.

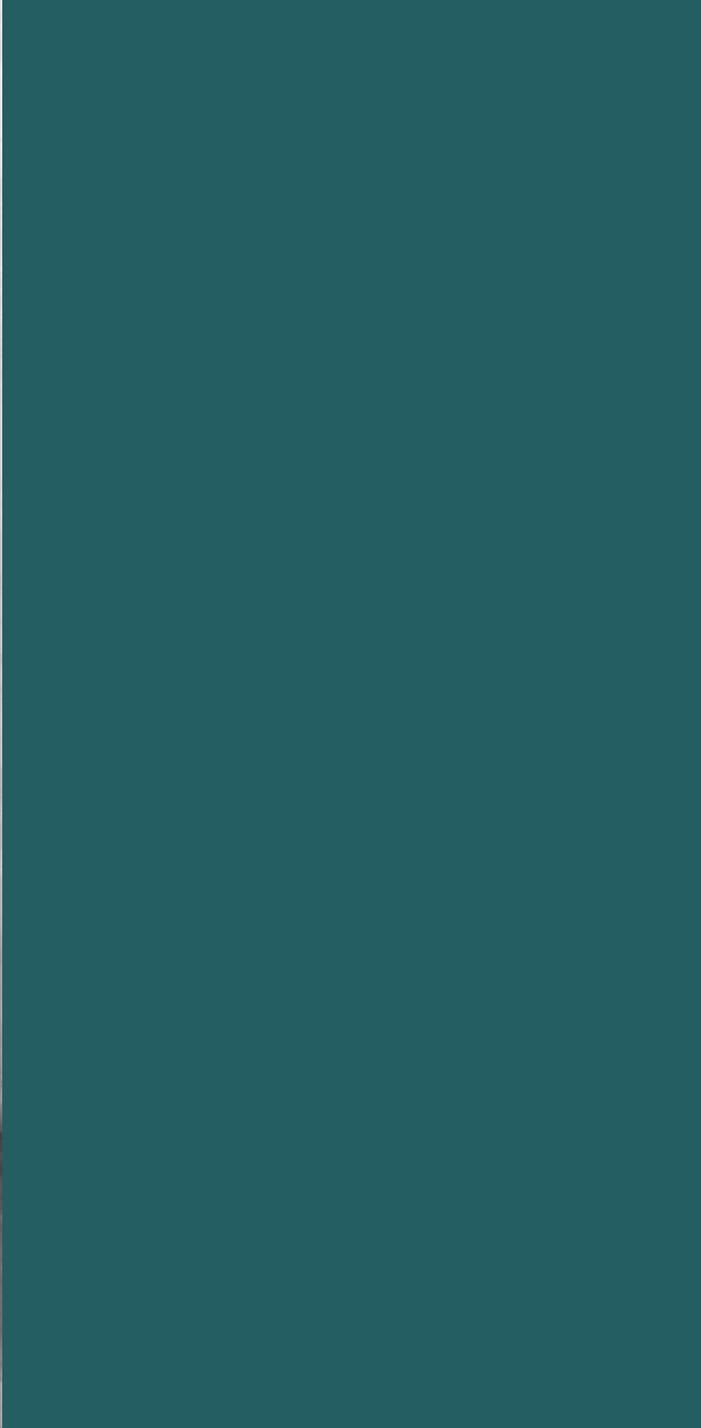
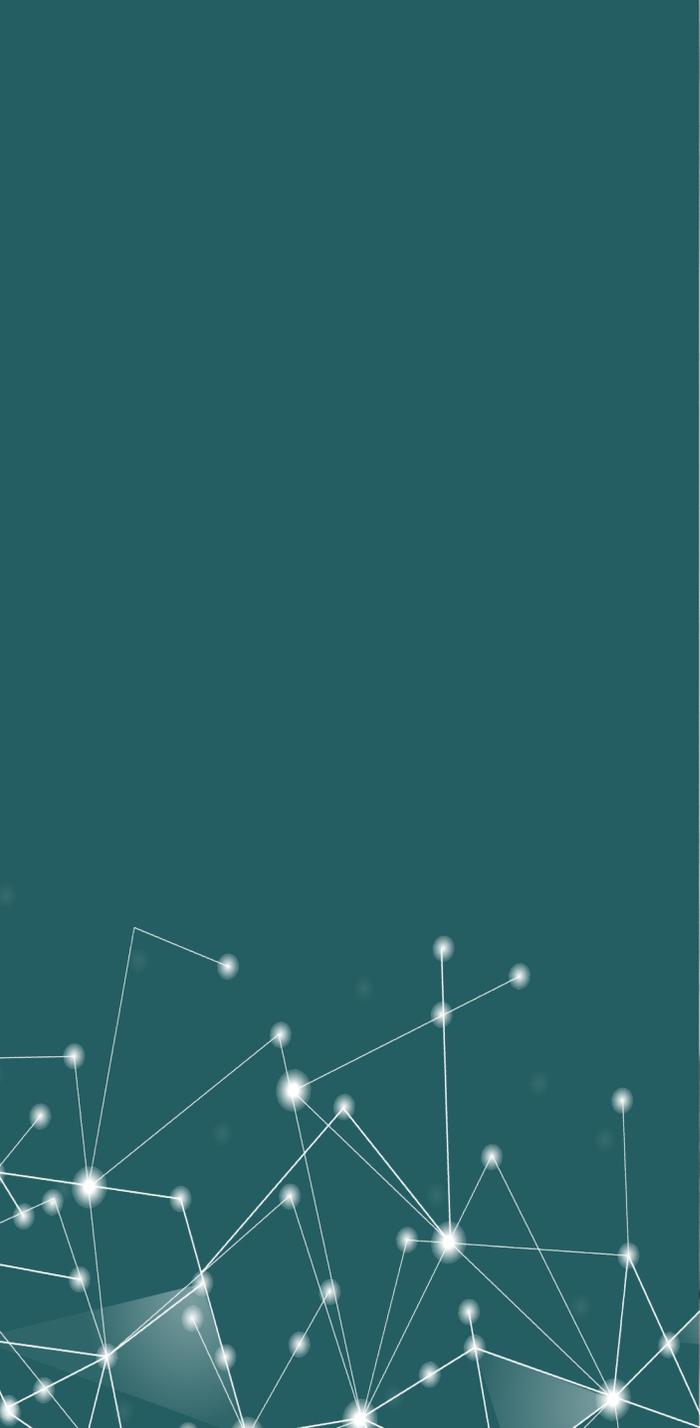


Manufacturer pages



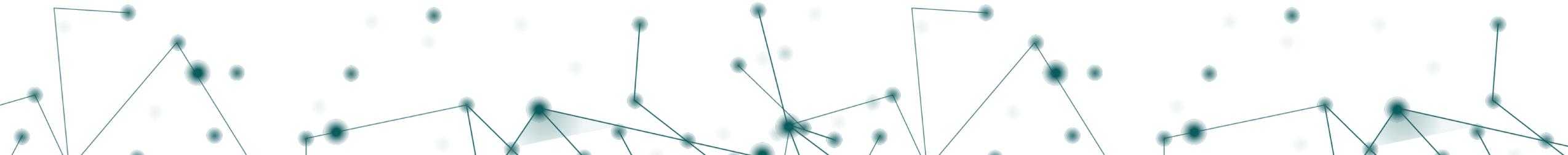


 **ANT**



The logo consists of a dark teal square containing a white stylized icon of a molecule or network node with three branches.

ANT



 **ANT**



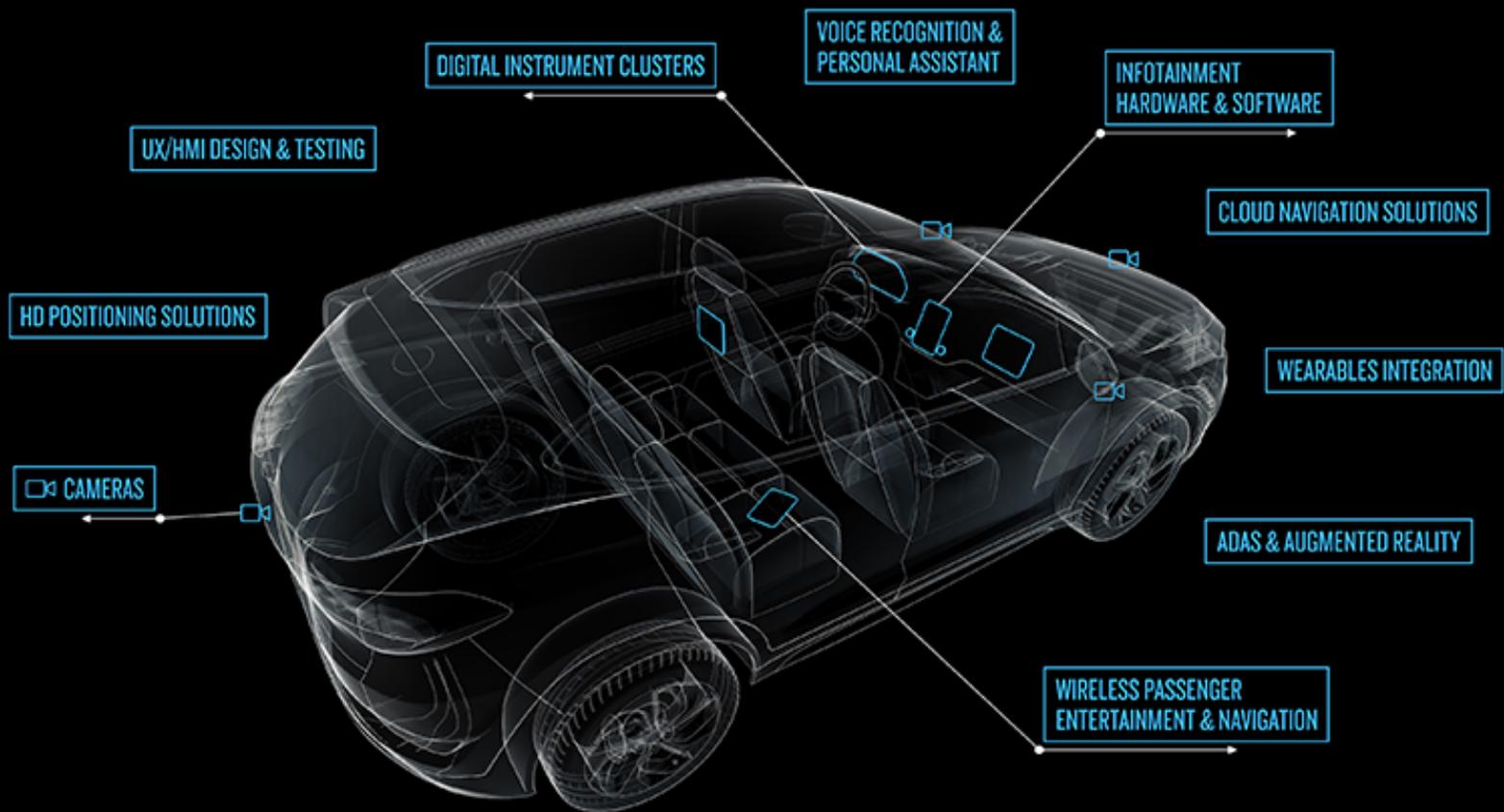


connect IQ™ 3.1

- Scan Devices
- Open Service
- Read/Write
- Characteristics
- Close



CONNECTED CABIN



connect IQ™



 **ANT**

Mesh Networking





 **ANT**



 **ANT**



connect IQ™ 3.1 Use Cases

Value Added Metrics

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Musical Instrume

connect IQ™ 3.1 Use Cases

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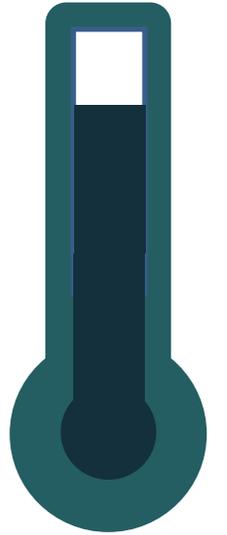
Value Added Met



Team Sports

Core Temperature

- MOVEMENT Generates Power
- POWER GENERATES Heat
- Heat Raises Blood Temperature
- Blood Raises Core Temperature
- HEAT LEADS TO SUFFERING



Heat Exhaustion or Heat Stroke— A Guide

Heat-related illnesses can be life-threatening. The U.S. Centers for Disease Control and Prevention describes the following differences between heat exhaustion and heat stroke and how to respond to each.

HEAT EXHAUSTION

Faint or dizzy

Excessive sweating

Cool, pale or clammy skin

Nausea or vomiting

Rapid, weak pulse

Muscle cramps

- ▼ Get to a cooler, air-conditioned place
- ▼ Loosen clothes
- ▼ Sip water if fully conscious
- ▼ Take a cool shower or use cold compresses

HEAT STROKE

Throbbing headache

Dizziness, confusion

No sweating

Red, hot, dry skin

Body temperature above 103°F

Nausea or vomiting

Rapid, strong pulse

May lose consciousness

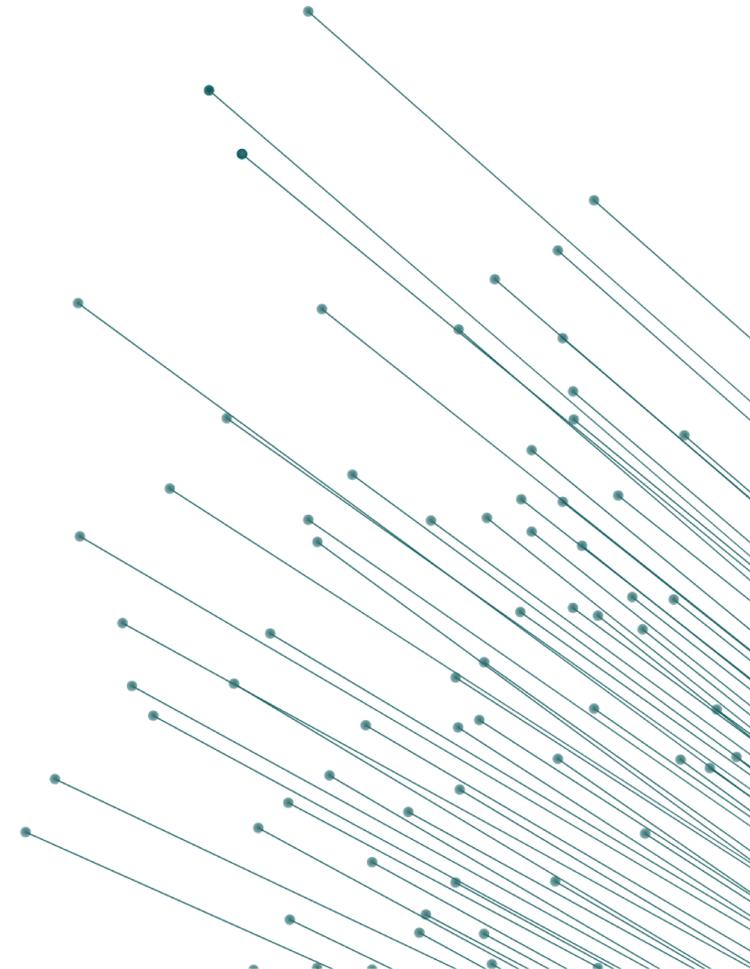
CALL 9-1-1

- ▼ Take immediate action to cool the person until help arrives

inside
climate
news

SOURCES: National Weather Service; Centers for Disease Control and Prevention

Heat-related illness



‘This Was Preventable’: Football Heat Deaths and the Rising Temperature

Southeastern states, Grundstein said, already experience 40 to 60 days when heat stress factors can become extreme enough for schools to stop outdoor practices—roughly a heat index of 103 degrees. In the next 20 to 50 years, Grundstein **expects** an additional 30 days of these conditions in the Southeast, with other parts of the country also affected, but to a lesser yet still significant degree.

"Almost the whole country is going to see a lot more of these days in the summer, and they will extend into the spring and fall," Grundstein said. "In the long term, we are going to see more hot, humid days that are going to pose a hazard to athletes."

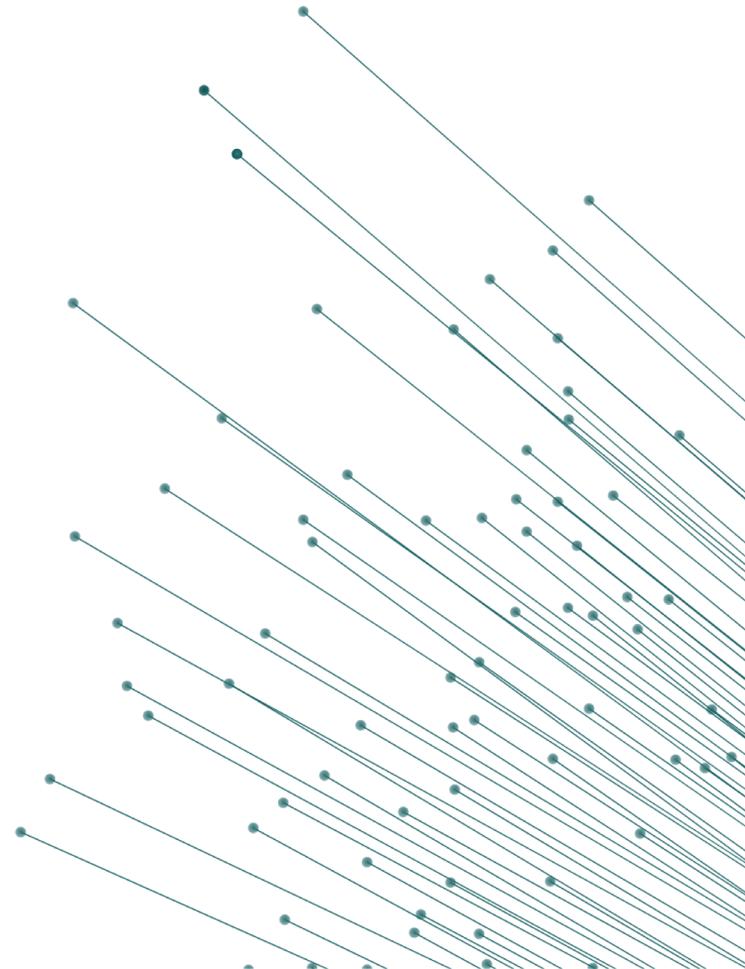






Core

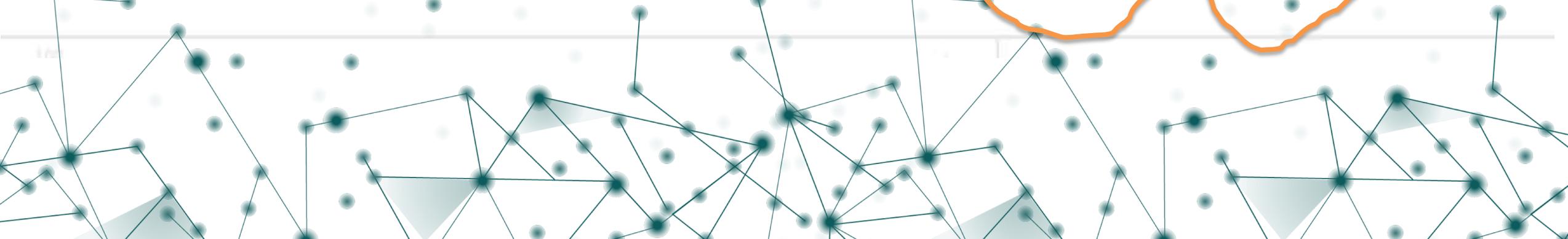
Temperature **DATA FIELD**



● Power: Watts Max Avg: None ▾



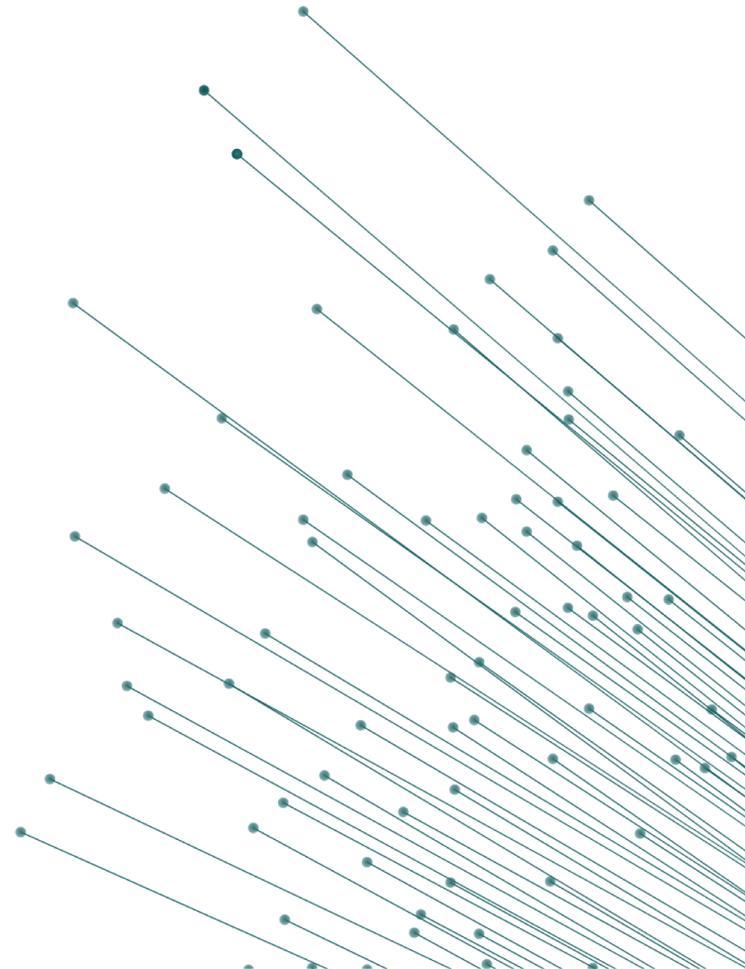
● Body Temperature ▾





Core

Temperature **DATA FIELD**



connect IQ™ 3.1 Use Cases

Musical Instruments

Workouts

Value Added Met

connect IQ™ 3.1 Use Cases

Musical Instruments

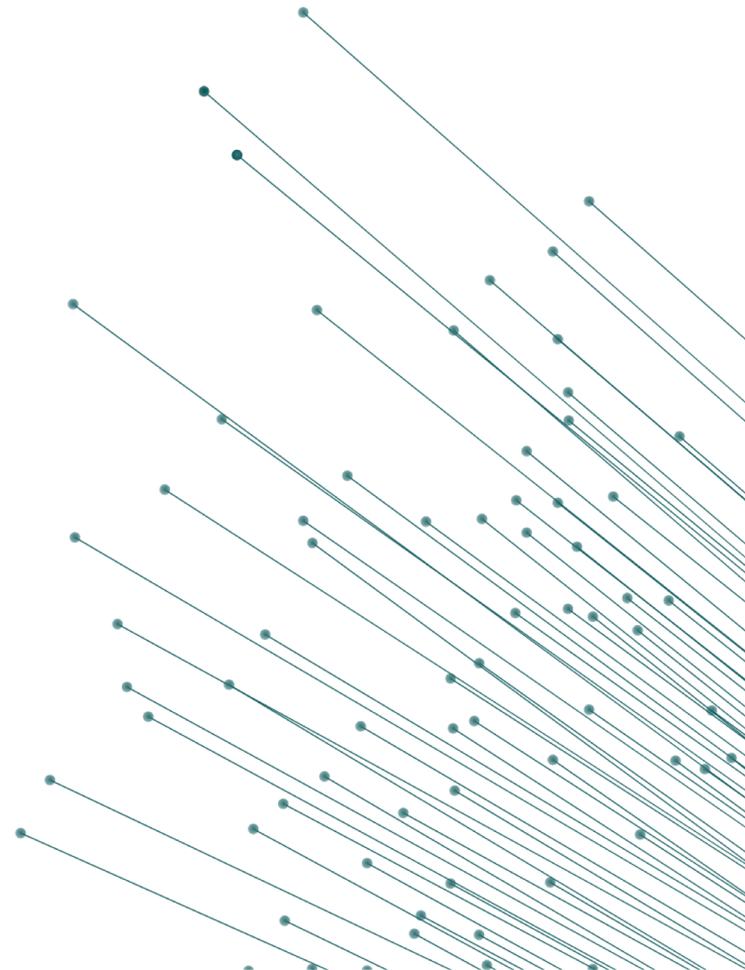
Value Added Metrics

Workouts

An aerial view of a parking lot with a central structure, overlaid with a network diagram of white nodes and lines. The background is a dark, muted blue-grey color. The text 'Purposeful' is in a light teal color, and 'animations' is in a large, bold white font.

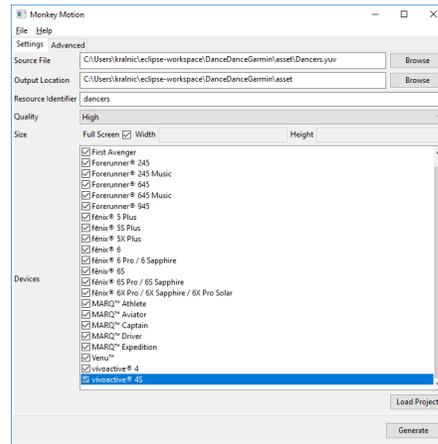
Purposeful
animations

Sample Animation





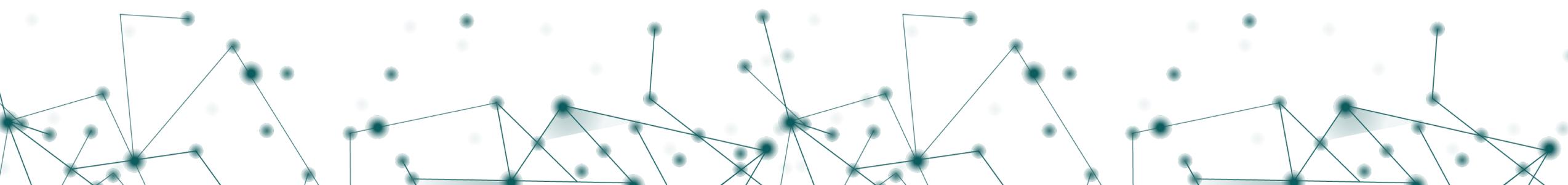
GIF
YUV4MPEG



MONKEYMOTION

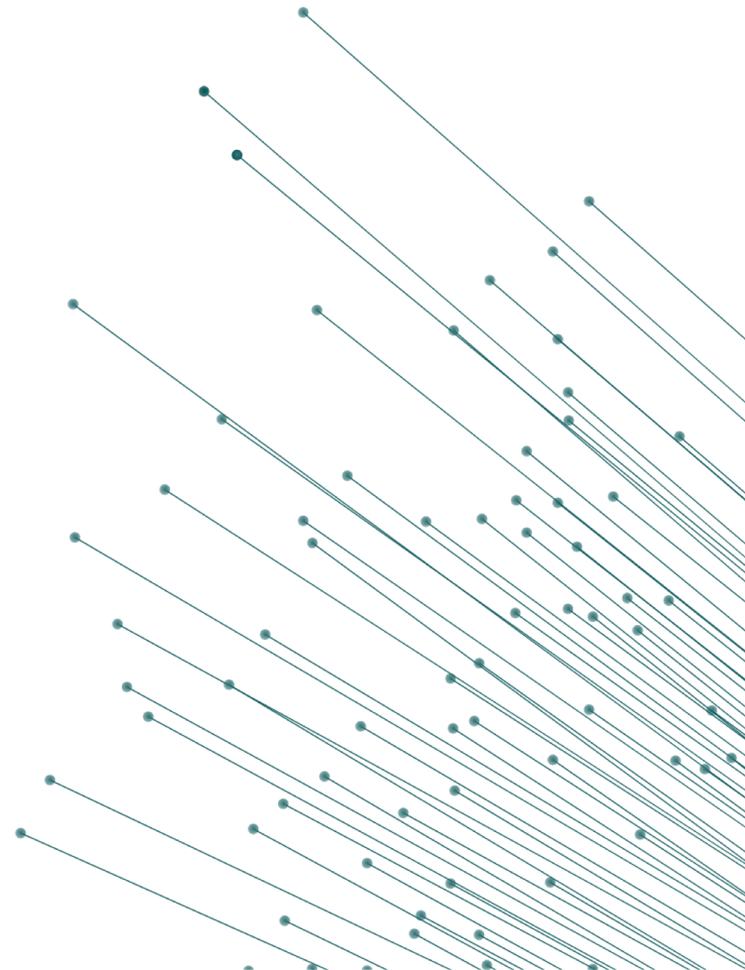


Layers





Dancing Watch Face

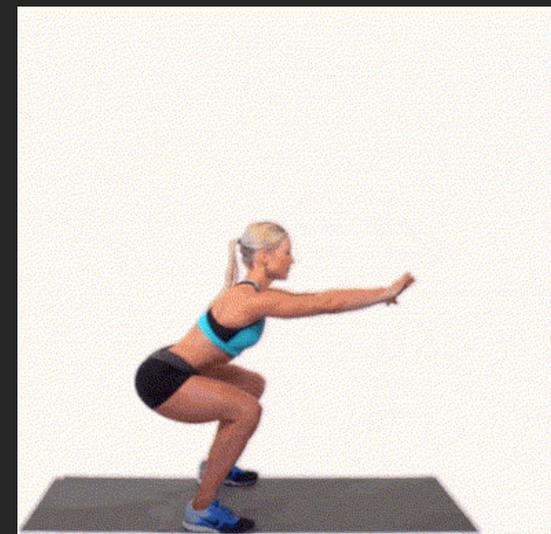
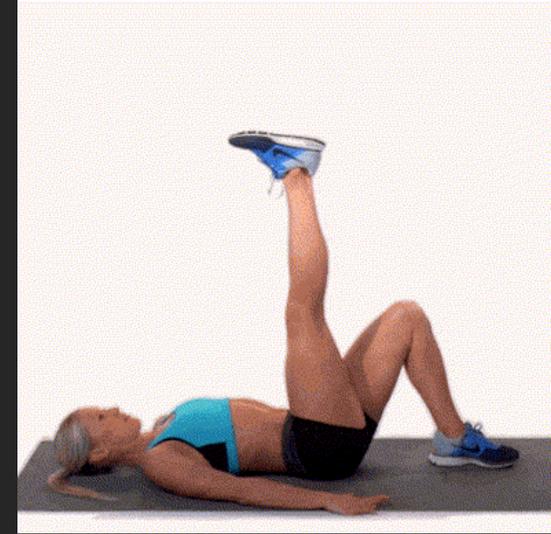


Wi-fi For apps



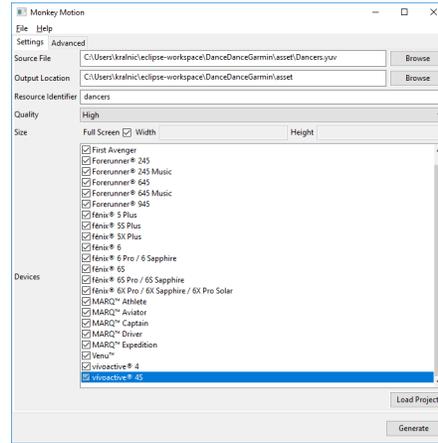


4 Quick
**BUTT-TONING
MOVES**

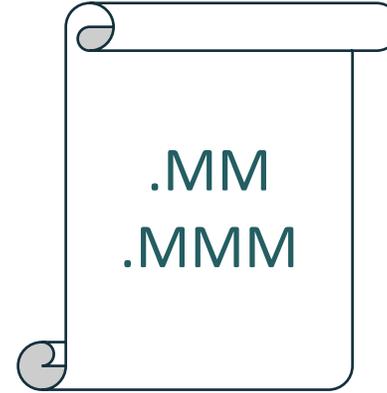




ANIMATION



MONKEYMOTION



MONKEYMOTION
Manifest

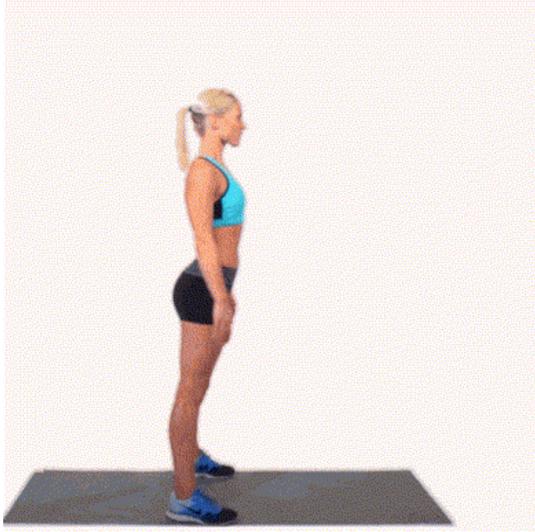


TERMINOLOGY

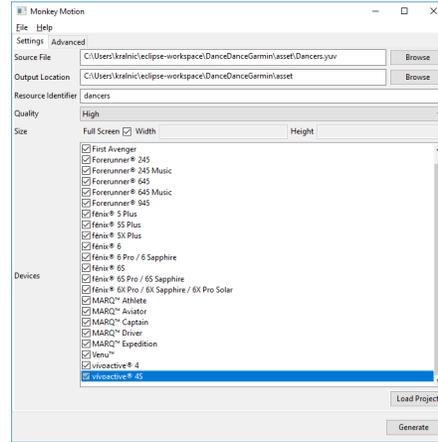
.MM = Monkey Motion Animation

.MMM = Monkey Motion MANIFE

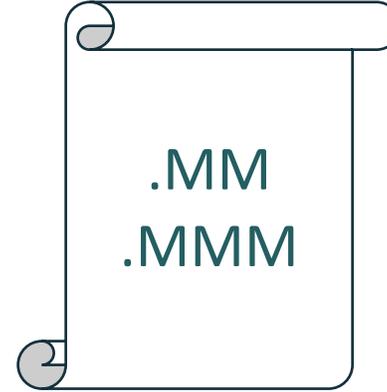
MMM Good = SOUP



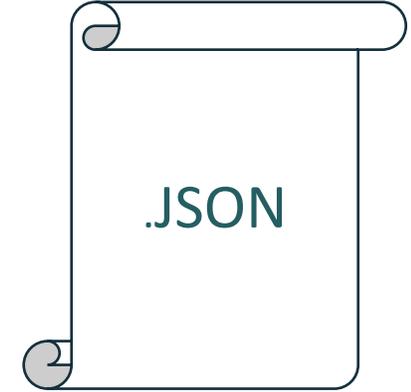
ANIMATION



MONKEYMOTION



MONKEYMOTION
Manifest



WORKOUT
JSON



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Learn More

developer.garmin.com/connect-iq

forums.garmin.com/developer/connect-iq



Garmin Developer Summit 2020