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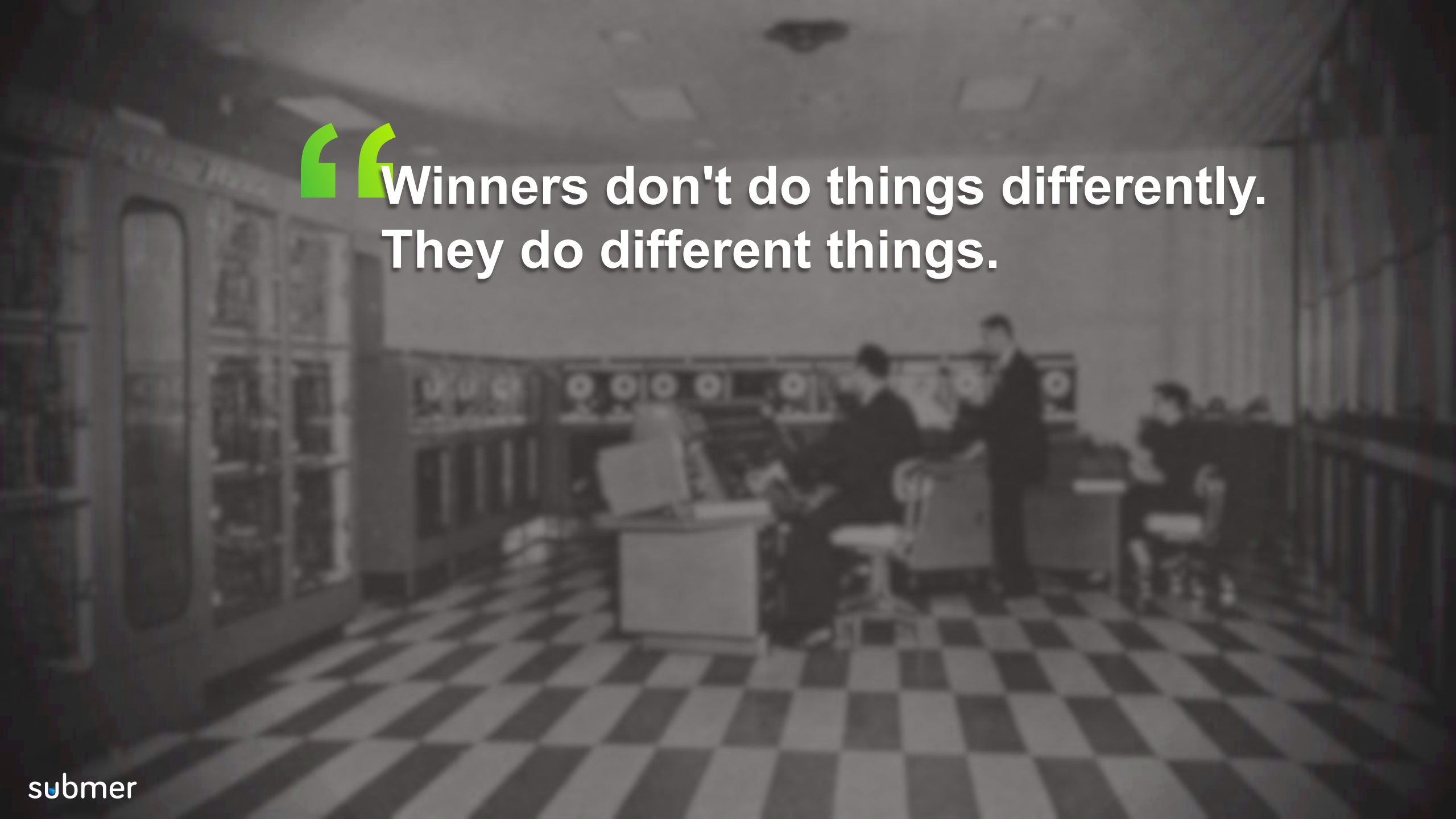
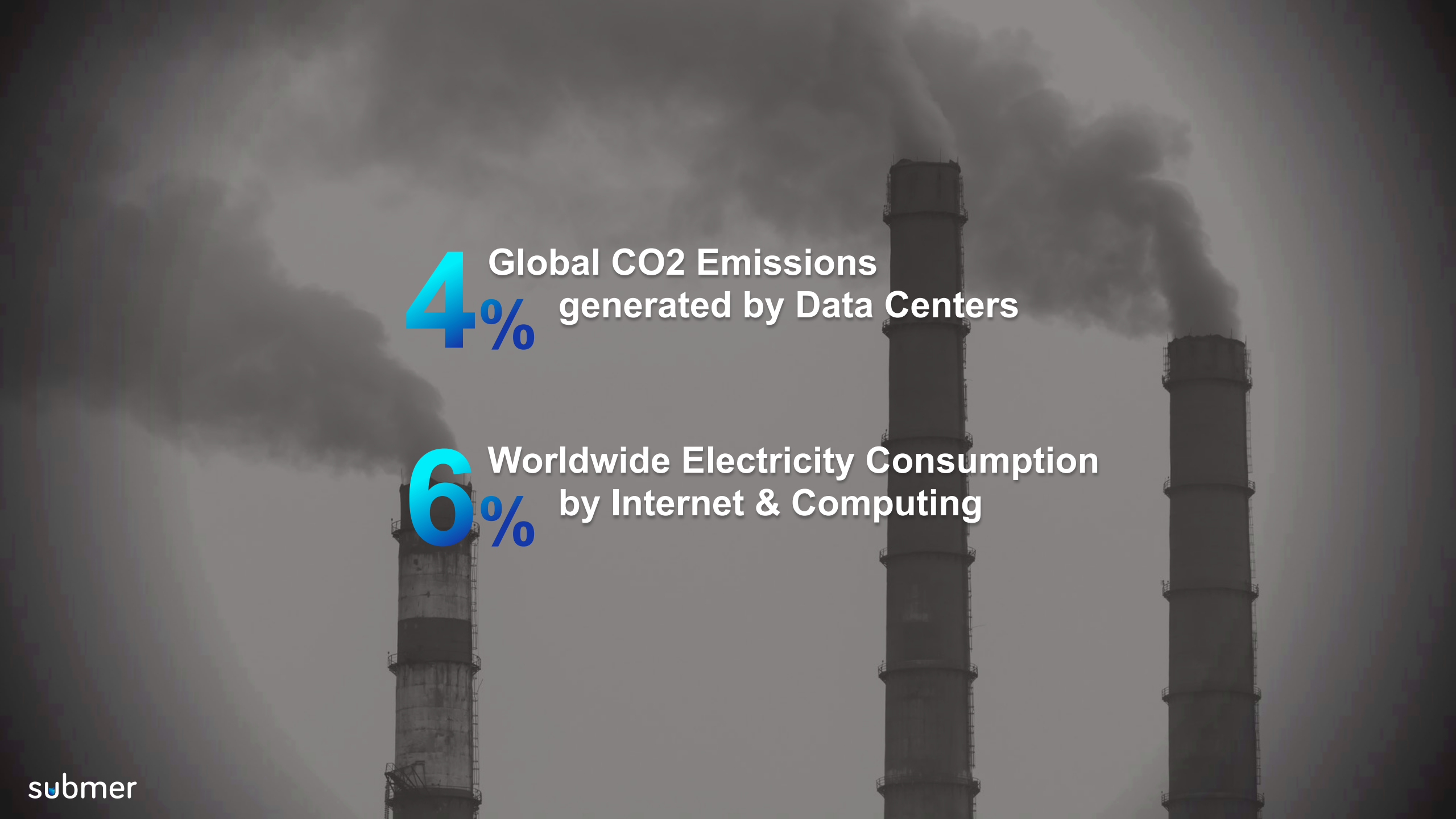
# Immersion Cooling To Power The Next Generation Datacenter

CLOUDFEST 2018


“Winners don't do things differently.
They do different things.


4%
Global CO2 Emissions
generated by Data Centers
6%
Worldwide Electricity Consumption
by Internet & Computing
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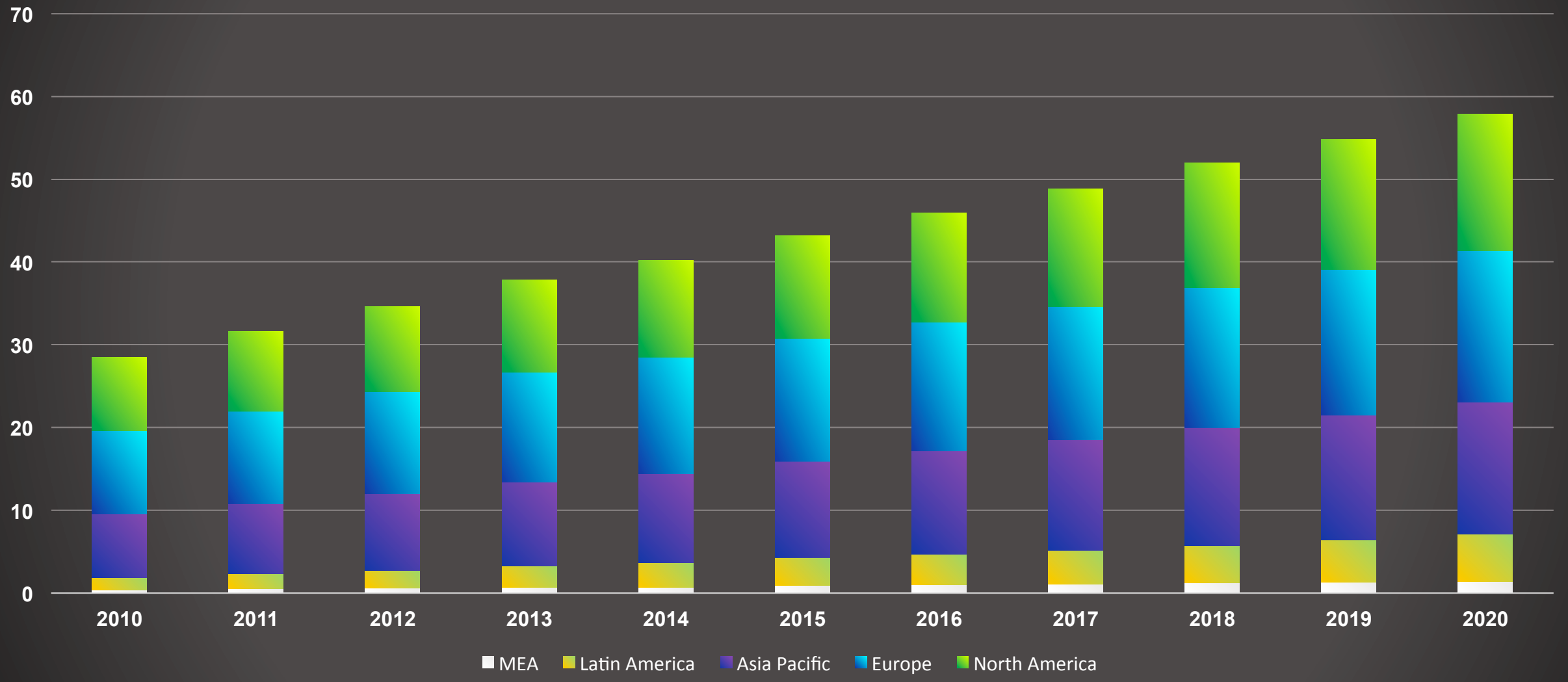
# Data Center facilities installed power (GW)

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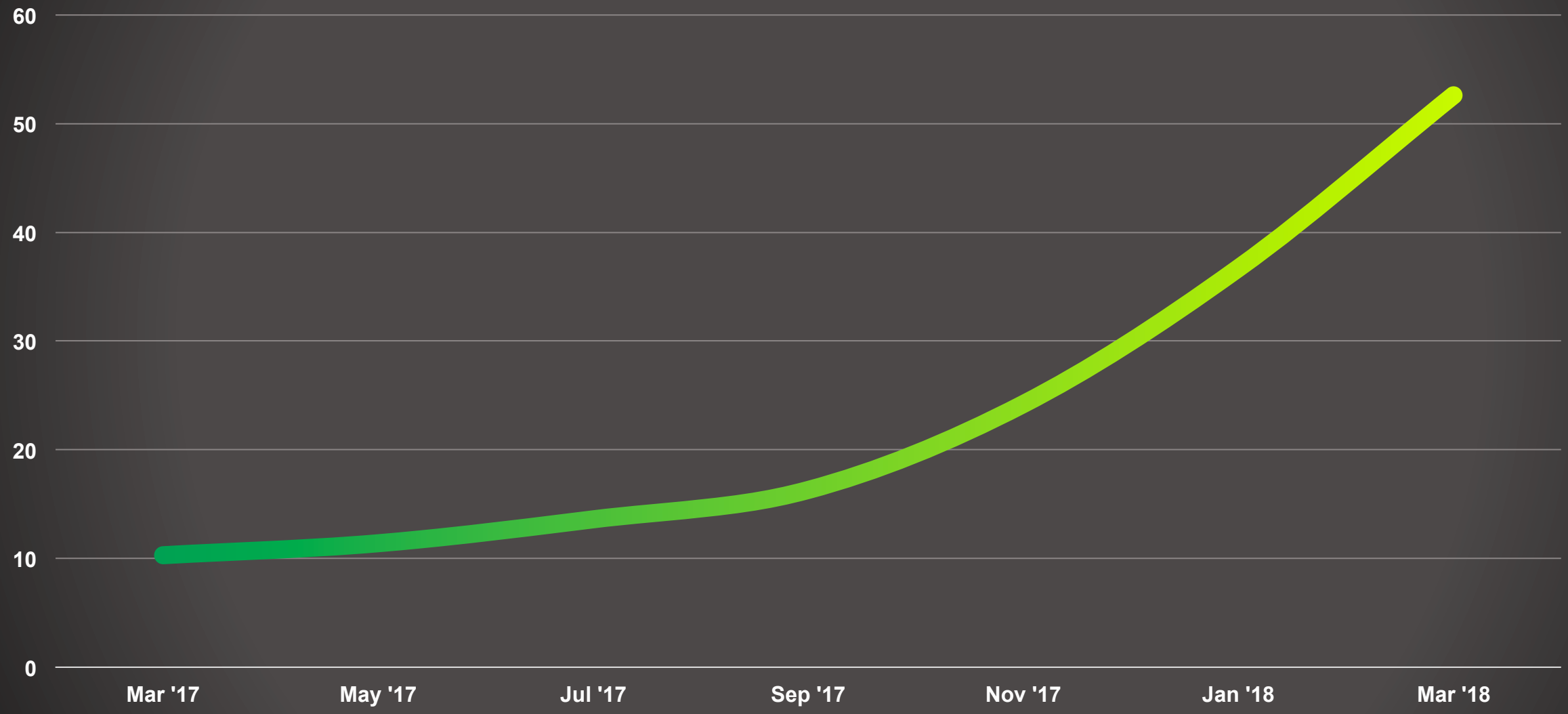
# New Technology Trends

Cryptocurrencies

IoT

AI / Machine Learning

# Bitcoin Energy Consumption Index (TW)

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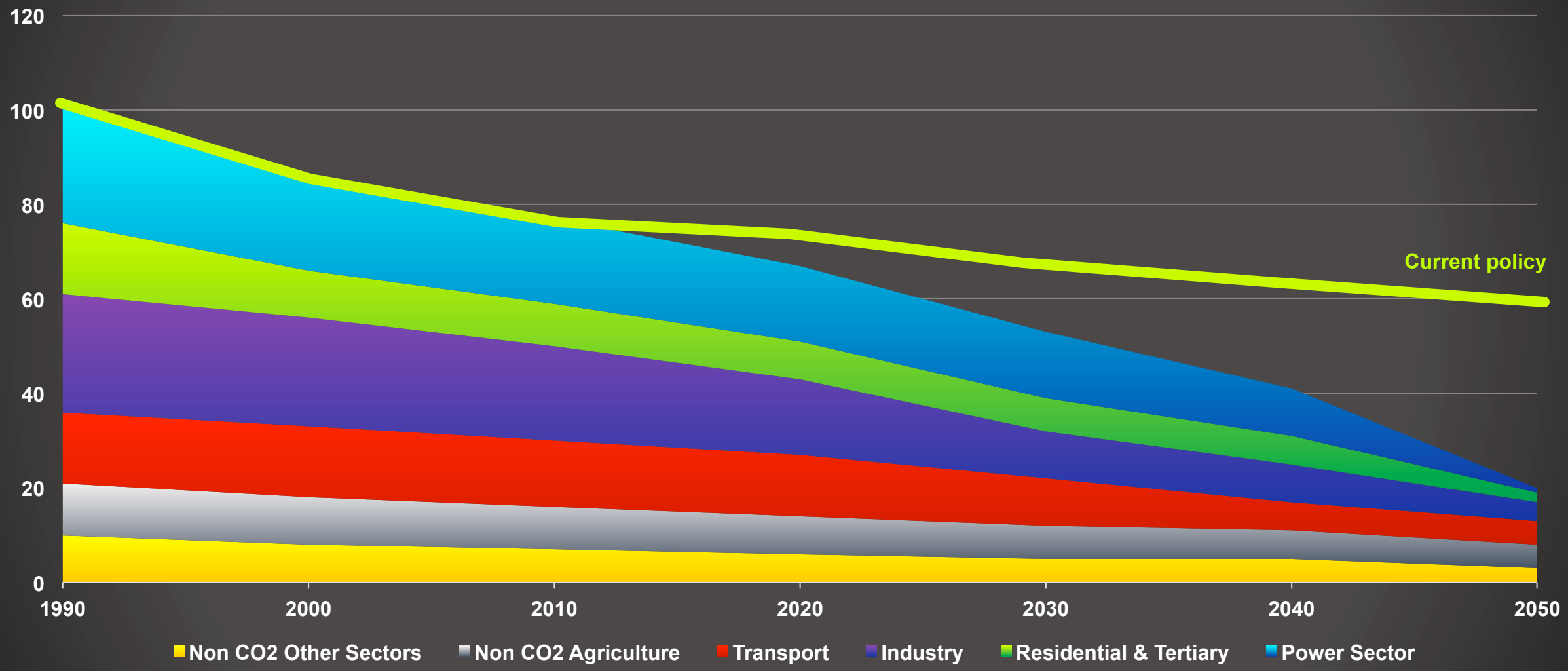
# Roadmap for Moving to a Low Carbon Economy (2050)

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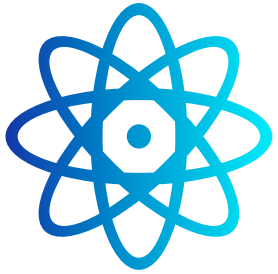
# Face the Challenges

# Facing the Challenges
## Without resignation to fail

**Reduce** Energy Consumption



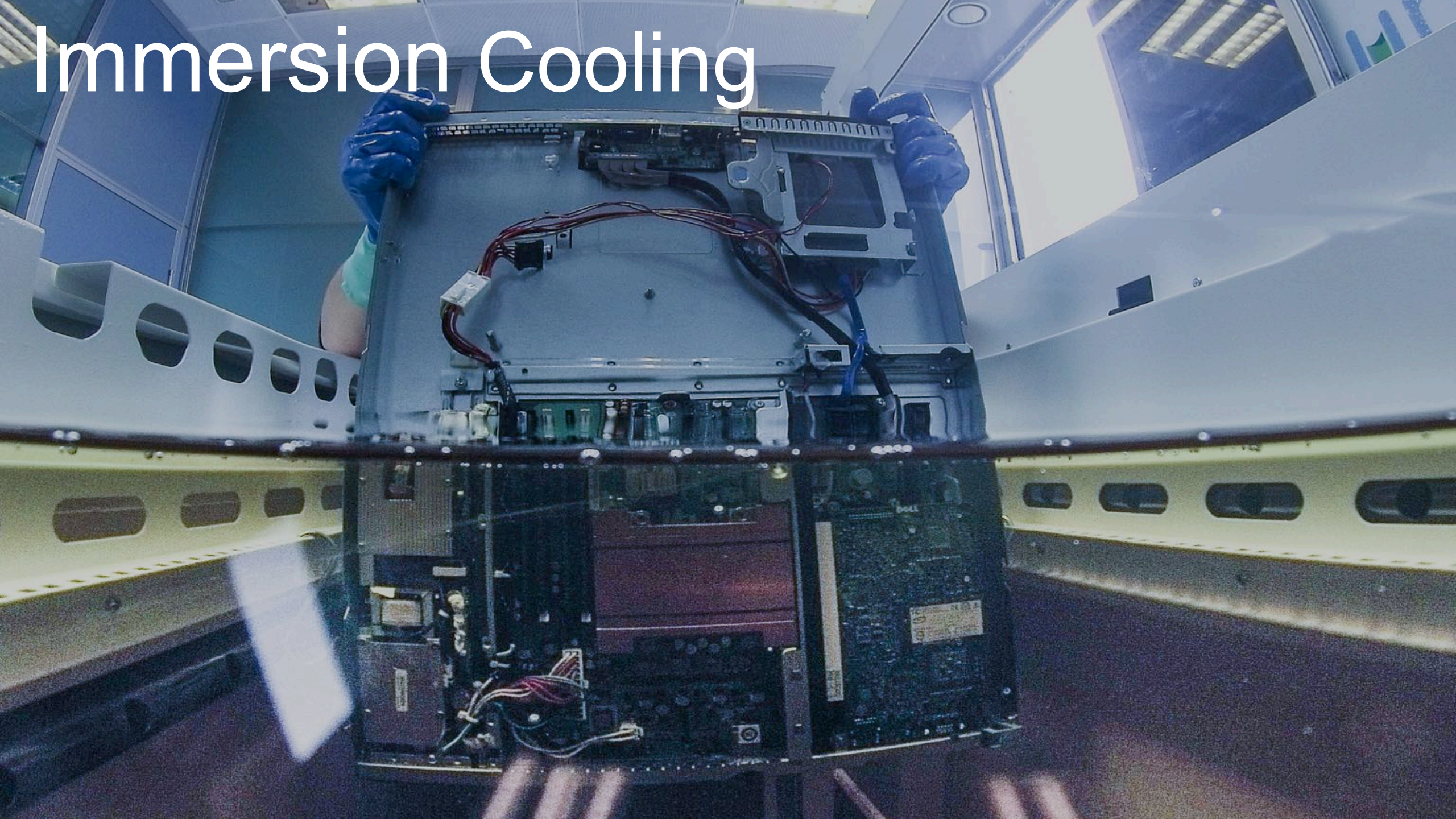
Increase Computing Density *per sqm*

Compete with *HyperScalers*

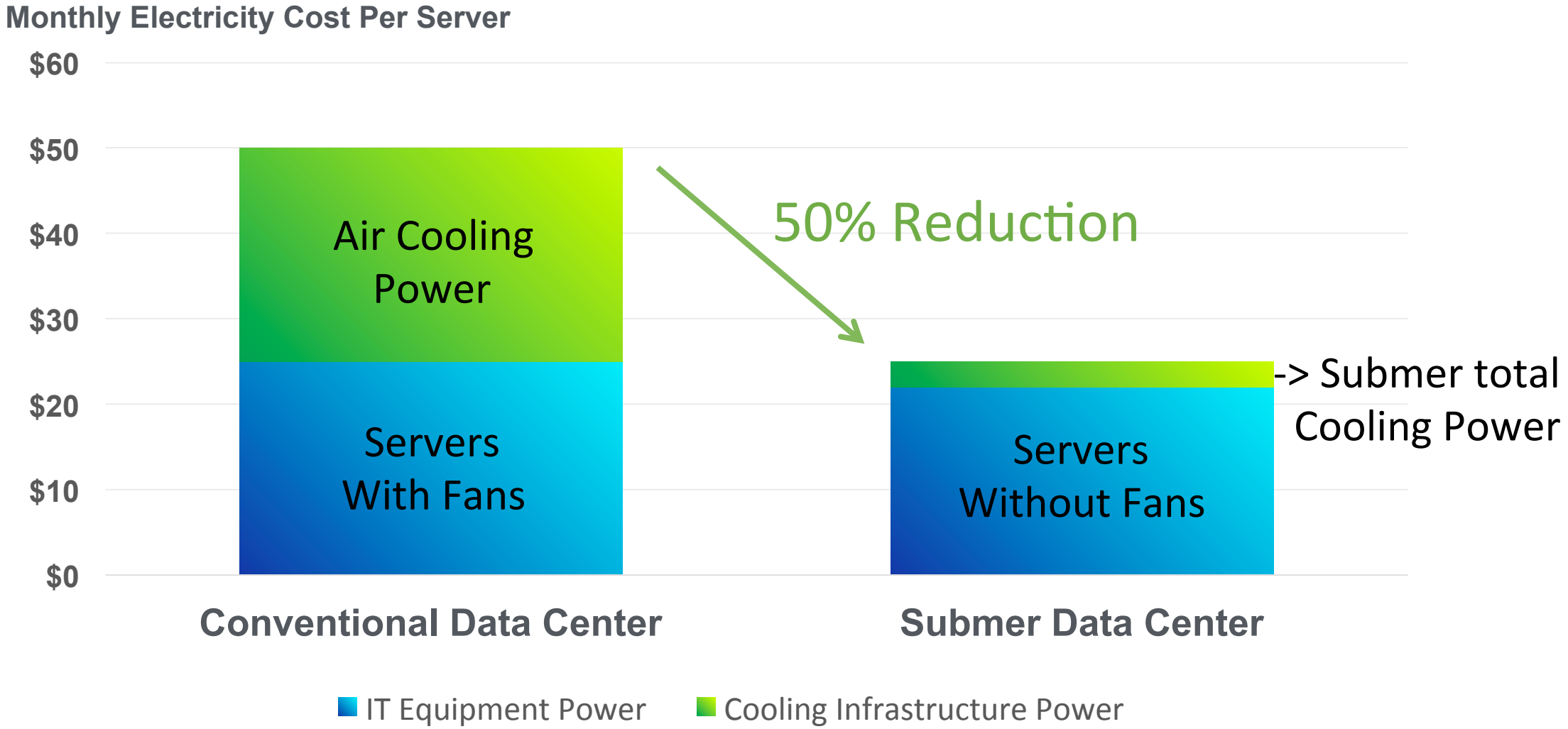
# Submer brings Hyper-scaler efficiency to all

# Submer brings Hyper-scaler efficiency to all

# Immersion Cooling



# Reduce 50% your Electricity costs

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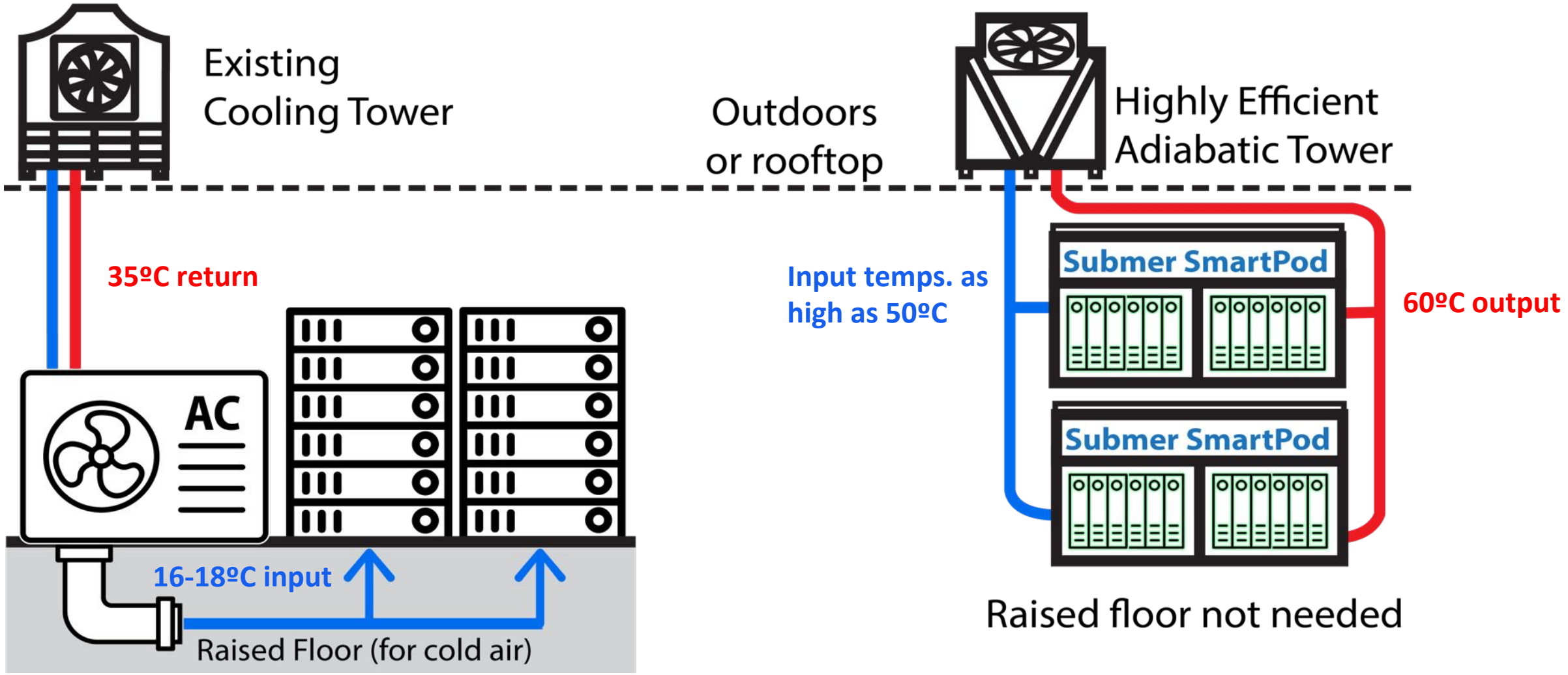
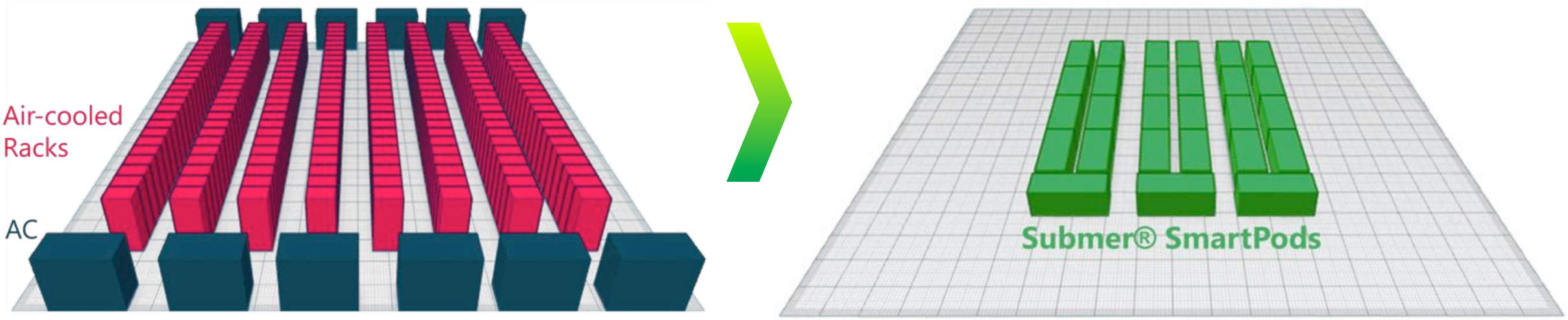
# Cooling >10X more efficient



# Scale your Computing Capacity
## in the same Space




**>75%** Less Space needed

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35c°
36c°
45c°
STOPPED
0%
RUNNING
65%

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# Teamed & Backed

**Daniel Pope**
Co-founder & CEO

**Pol Valls Soler**
Co-founder & CPO

**Joan Besares**
Operations Director

**Diarmuid Daltún**
Sales Manager

**Nathalie Lacroix**
Sales Associate

**Javier Mesones**
PhD Thermodynamics

**David Montes**
Sr Product Engineer

**Enric Farriol**
Sr Industrial Engineer

**Albert Roset**
Sr Cooling Engineer

**Beatriz Mayo**
Marketing Associate

**Edgar Ramón**
Full Stack Engineer

**Albert Lloveras**
Hardware Engineer

**Barnie Ottabaeva**
Office Manager

**Liora Rosenblum**
Sales & Marketing

**Gerard Galimany**
Electrical Engineer

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European Commission

SEAL OF EXCELLENCE

Horizon 2020
European Union Funding
for Research & Innovation

Venture Capital

CERN

EUROPEAN DATA CENTRE ASSOCIATION

GOBIERNO DE ESPAÑA
MINISTERIO DE ECONOMÍA, INDUSTRIA Y COMPETITIVIDAD
e
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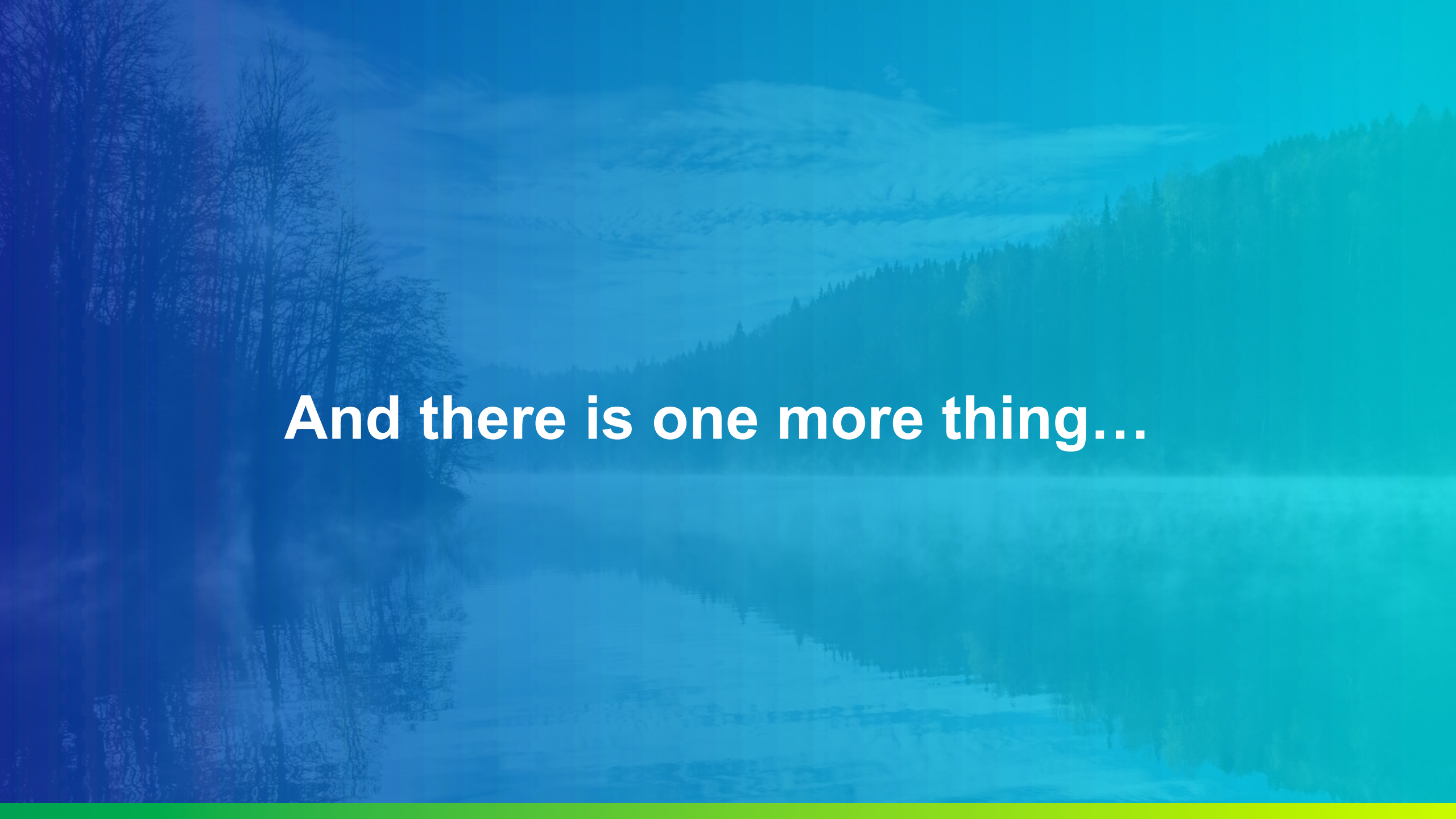
# We’re releasing a new version…

# submer SmartPod 3.0


And there is one more thing…

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CryptoPod

**1- Metal chassis manufacturing.**

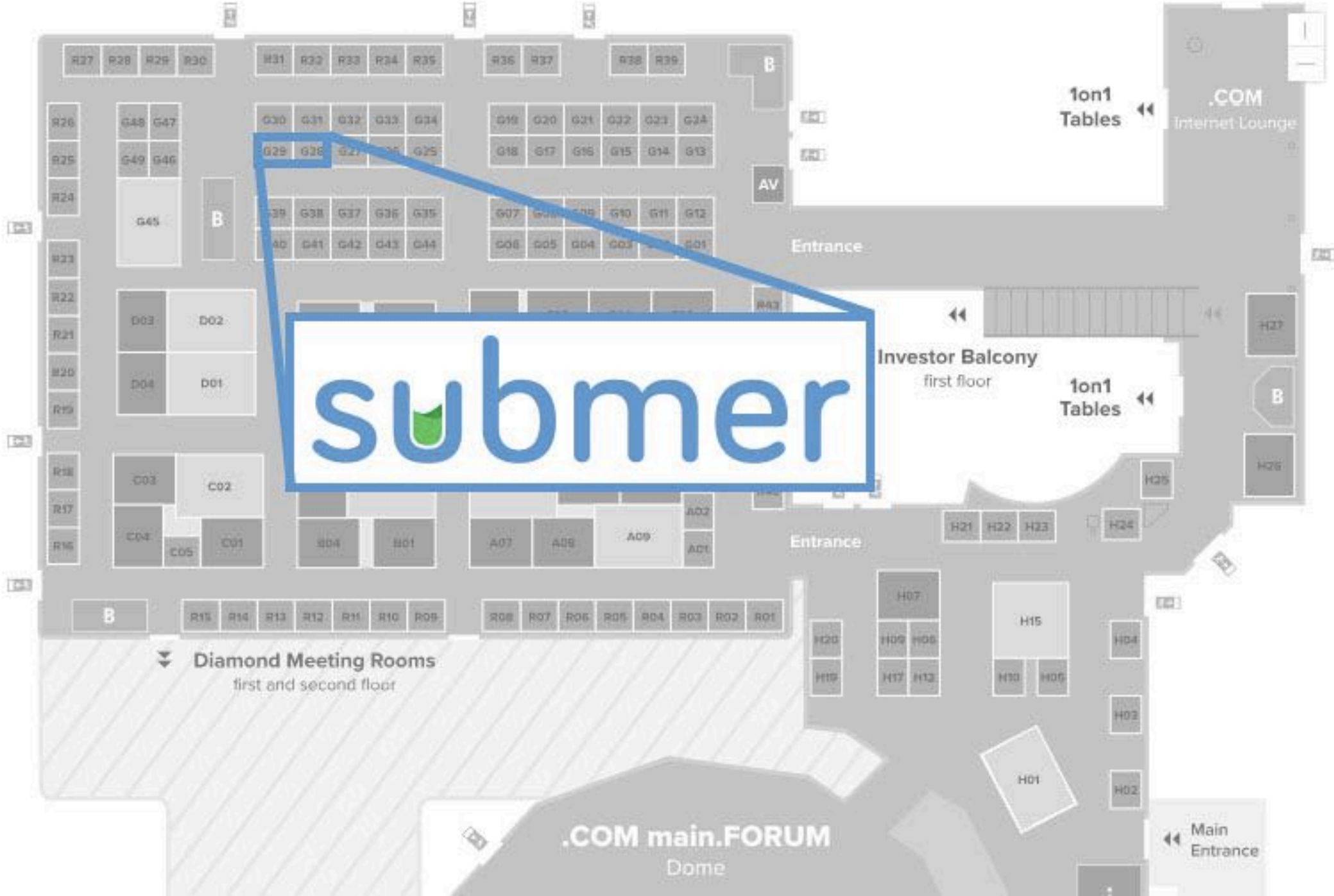
**2- Assembly line, Quality Assurance, storage and shipping area** (contains direct connection to Submer headquarter's cooling tower, high load service lifts and trailer truck loading gates)

**3- Shipping containers easily sent to Barcelona shipping port.**

- Submer engineering office, showroom SmartPod and QA + showroom cooling tower located at Submer Headquarters.

# Pre-Order Now

submer.com/pre-order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1on1 Tables
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Entrance
Investor Balcony
first floor
1on1 Tables
Entrance
Diamond Meeting Rooms
first and second floor
.COM main.FORUM
Dome
Main Entrance

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# Q & A

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