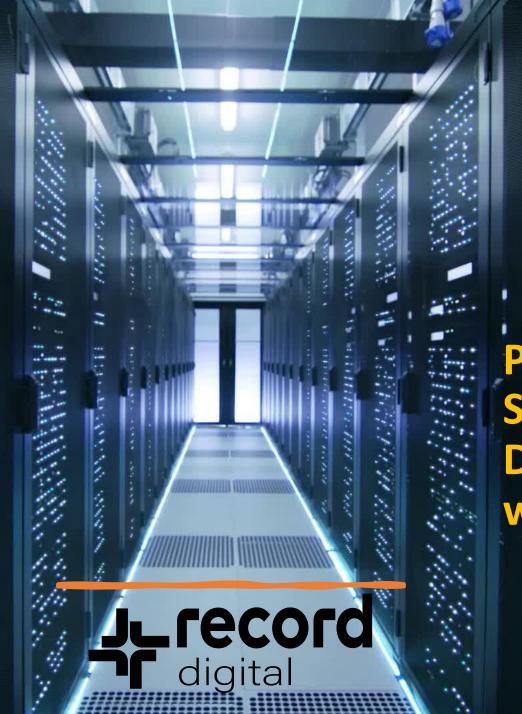
From
Sunlight
To
Exabyte



Path to
Supporting the
Digital Revolution
with Green Energy

Technological Revolution only just started

 AI, IOT, Metaverse, Machine Learning, FinTech are now part of our everyday life

 This new technology is driving the global demand for data storage and compute power

 Data Centers are now under significant pressure to adapt to this exponential demand







Digital Infrastructure needs to adapt very fast

DATA GROWTH

> 180 Zb

Global data creation up to 2025

Statista Research Dep May 22

IoT & 5G

> 75bn

IoT-enabled devices expected by 2025

Reply research

DATA CENTER CAPACITY

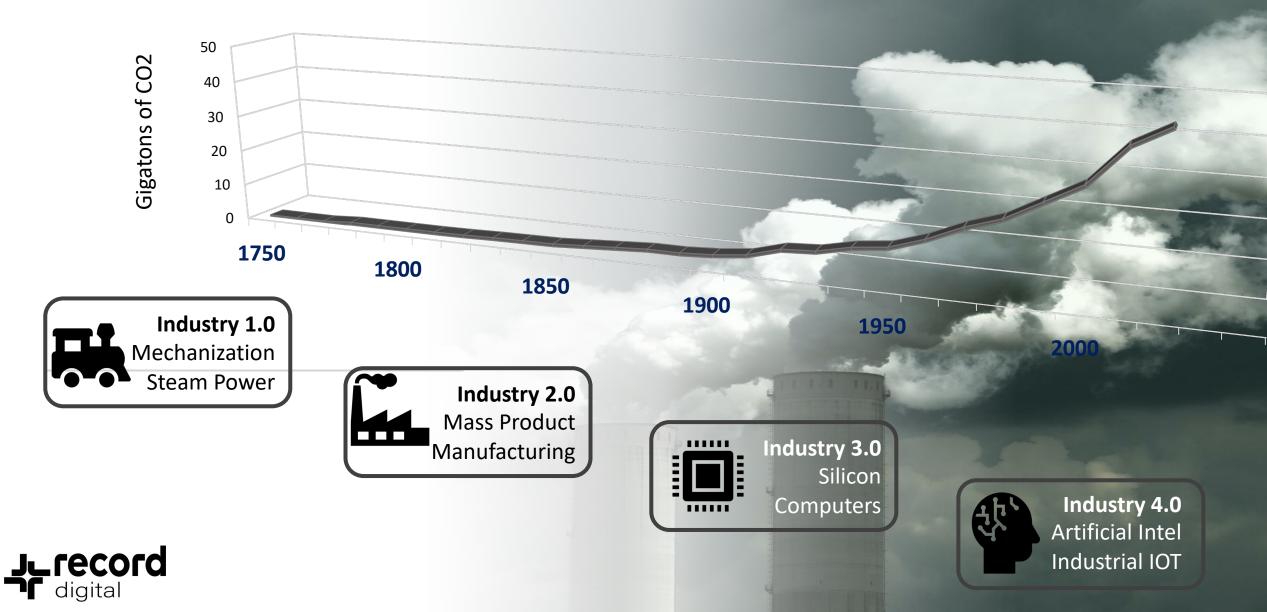
> X2

In GW 2020 to 2030

IDC



Unfortunately, that Comes at a heavy cost!



Transition to Green Tech & Circularity

- **EFFICIENCY**: Smart Design & High efficiency with digital control
- **COOLING**: Immerse cooling, Liquid Cooling, Heat Re-use
- **ENERGY**: Significant use of widely available (and cheap) green energy







"Hyperscalers" Net-Zero objectives

- Google Net-zero across operations by 2030
- Amazon (AWS) Net-zero operations by 2040
- Meta Net zero across value chain by 2030
- Apple Products carbon-neutral by 2030
- Microsoft Carbon-negative by 2030
- Netflix Halve emissions by 2030

Source: www.idc-a.org

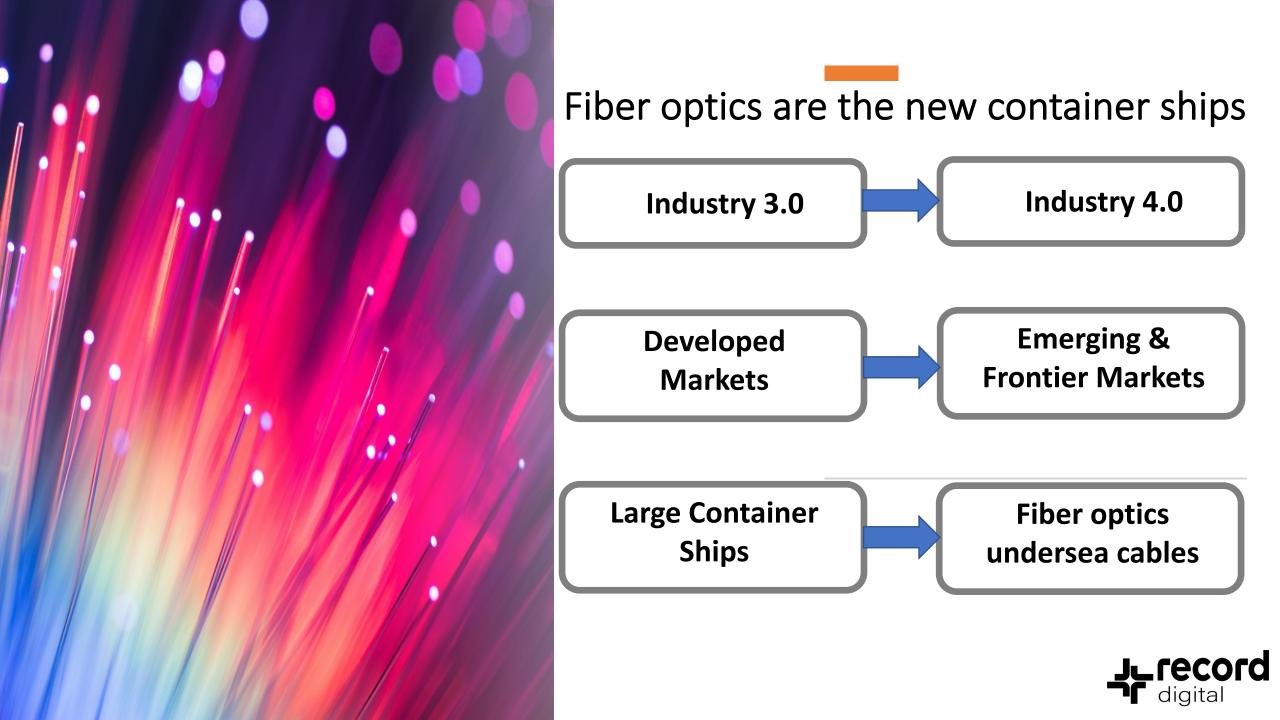


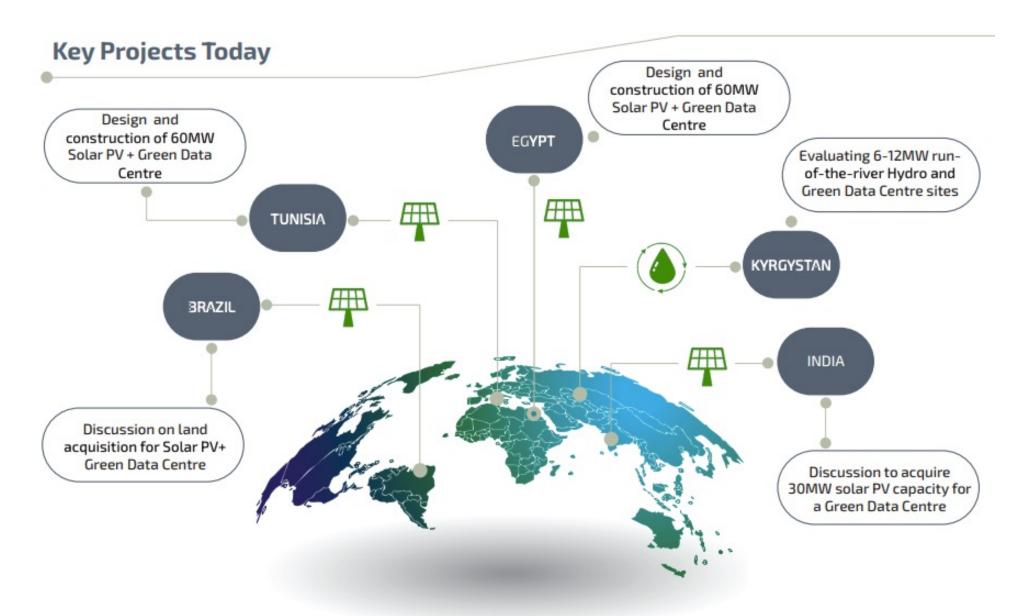
Emerging & Frontier Markets could play a major role

- **CONNECTIVITY**: The rise and rise of under-sea fiber optics cables
- **GREEN ENERGY**: Untapped potential for significant scalability
- **GEOPOLITICS**: New world order will lead to wider site diversification













Get In Touch!

Amir BEN GACEM - Partner Record Digital

amir@record-digital.co.uk

