



Introduction To IOWN: A Smarter World 2030

We've all heard about the "alphabet soup" of new technologies and solutions — AI, VR, AR, 5G, blockchain and others — on the verge of becoming regular parts of the daily lives for billions of people on the planet. Together, these technologies have the capability to change the world.

What we haven't heard much about is how we are going to define and build systems to support and power these new technologies, solutions and interconnected networks in a cost-effective and sustainable way to benefit of humanity. The world is approaching the limits of the current generation communications and infrastructure technology, even as power consumption, data bandwidth requirements and Internet speed is exploding.

These limits are holding society back in realizing improvements and creating a smarter world. The barrier to achieving a smarter world is the fact that the vision, technologies and capabilities have simply not been available – until now.

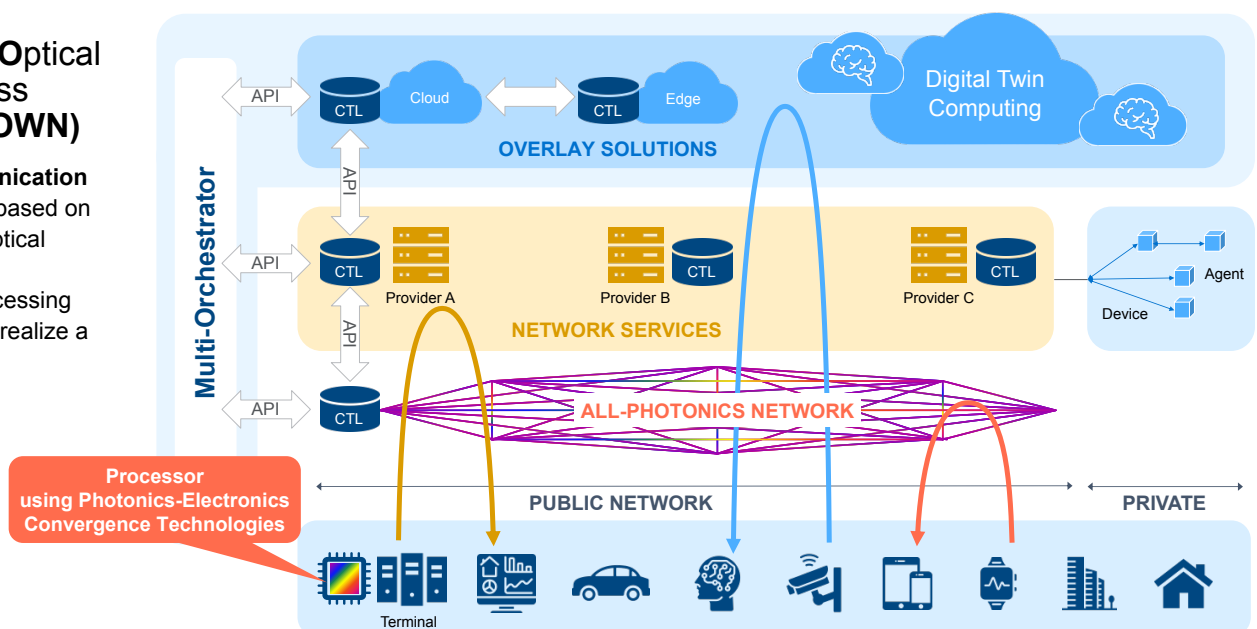
The Innovative Optical and Wireless Networks Global Forum (IOWN GF) was envisioned to bring like-minded companies together to address the opportunities and challenges of defining, designing and deploying a smarter world solution by 2030. IOWN will be the foundation for future communication networks that utilize the most advanced optical and information processing technologies to realize a better, smarter and more sustainable world. By overcoming technology constraints, IOWN aims to realize the ultimate in safety and security, support sustainable, environmentally-friendly growth creating a richer, more advanced society for all.

In short, IOWN technology aims to benefit all humanity with faster, advanced connectivity creating new solutions that will change people's lives for the better while fostering sustainably.

IOWN: The Technology Pillars

Innovative Optical and Wireless Network (IOWN)

Future communication infrastructure based on leading-edge optical technology and information processing technologies to realize a smarter world.



APN will significantly increase network speed and processing while DTC creates a new world of service applications.