

### Infrastructure Comparison Chart

	Seismic Monitoring	Geodetic Monitoring	Earthquake Early Warning	Tsunami Early Warning	Supports Other Sensors	Data Latency or Data Rate	General Reliability	Resists Damage During Earthquake	Technology Maturity	Installed Cost Per Node (Initial)	Maintenance Cost Per Node
<b>Cable Designs</b>						<i>Latency</i>					
Fixed Cable	●	●	●	●		microseconds to milliseconds	✓✓✓	✓	✓✓✓	\$\$\$	\$
Configurable Cable	●	●	●	●	●	microseconds to milliseconds	✓✓✓	✓	✓✓✓	\$\$\$\$	\$
Hybrid Cable	●	●	●	●	●	microseconds to milliseconds	✓✓✓	✓	✓✓✓	\$\$\$\$	\$
<b>Buoys &amp; Moorings</b>						<i>Latency</i>					
Primary Cell Buoy/Moorings	●	●		●	●	seconds	✓✓	✓✓	✓✓	\$\$	\$\$
Hydrokinetic Energy Buoys/Moorings	●	●		●	●	seconds	✓✓	✓✓	✓	\$\$\$	\$
Mutihop RF buoys	●	●		●	●	minutes	✓	✓✓	✓	\$\$	\$
<b>Subsea Links</b>						<i>Rate</i>					
Wireless Power Transfer					●	kWatts over centimeters	✓✓	✓	✓✓	\$	\$
Optical Data Transfer					●	upto 500 Mbps over meters	✓✓	✓	✓✓	\$	\$
Acoustic Mesh		●		●	●	kbps over kilometers	✓✓	✓✓	✓✓	\$	\$
<b>Platforms</b>						<i>Latency</i>					
Wave Glider		●		●		seconds	✓✓	✓✓✓	✓✓	\$	\$\$
Sea Glider/Deep Glider					●	hours between surfacing	✓✓	✓✓✓	✓✓	\$	\$\$
AUV					●	hours between docking or surfacing	✓✓	✓✓✓	✓✓	\$	\$\$
<b>Other</b>											

● Grey dots indicates that the technology could be used in combination with other systems as part of a complete solution

### Sensing System Comparison Chart

<b>Sensors</b>	<b>Seismic Monitoring</b>	<b>Geodetic Monitoring</b>	<b>Earthquake Early Warning</b>	<b>Tsunami Early Warning</b>	<b>General Reliability</b>	<b>Resists Damage During Earthquake</b>	<b>Technology Maturity</b>	<b>Installed Cost Per Node (Initial)</b>	<b>Maintenance Cost Per Node</b>
Seismometer	●	●	●		✓✓✓	✓	✓✓✓	\$\$	\$
Accelerometer	●	●	●		✓✓✓	✓	✓✓✓	\$	\$
Tilt Meter	●	●	●		✓✓✓	✓	✓✓✓	\$	\$
Seafloor Pressure	●	●	●	●	✓✓✓	✓	✓✓✓	\$	\$
Fiber Optics for strain, pressure, temperature	●	●	●	●	✓✓	✓	✓	\$\$	\$
Remote Sensing	●	●		●	✓✓✓	✓✓✓	✓✓✓	\$\$\$	\$
Gravity Meter	●	●			✓✓✓	✓✓✓	✓✓	\$	\$
Acoustic GPS		●			✓✓	✓	✓✓	\$\$	\$\$

● Grey dots indicates that the technology could be used in combination with other systems as part of a complete solution