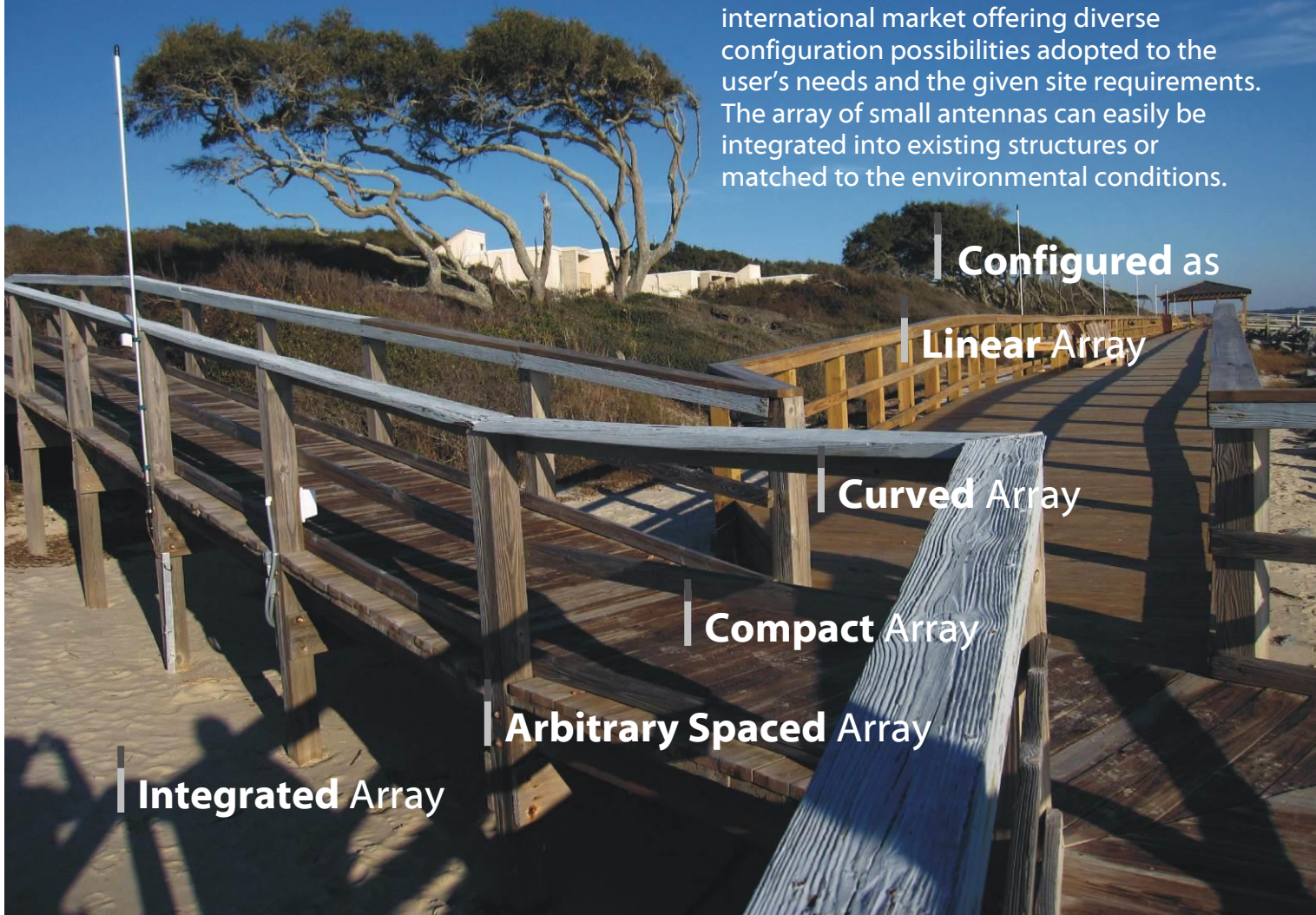


Small Antenna for Flexible Configurations

WERA is the most flexible Ocean Radar on the international market offering diverse configuration possibilities adopted to the user's needs and the given site requirements. The array of small antennas can easily be integrated into existing structures or matched to the environmental conditions.



Configured as
Linear Array

Curved Array

Compact Array

Arbitrary Spaced Array

Integrated Array



We always will find a place to install the antenna array for your application !

- **Small in Height**

The antenna poles for the receive array can be as small as 1 m. These simple monopoles can be deployed even without guy wires. The transmit antenna is typically a little higher to get best efficiency. All antennas exhibit a very low wind load.

- **Light in Weight, no concrete base required**

The antennas are light weight aluminium poles combined with a wooden or glass fibre carrier attached to metal base bars which do not require a concrete base. Even natural resources e.g. bamboo can be used as antenna carrier.

- **Flexible positioning**

The spacing between the poles should be less than half a wavelength but it is not required to be equidistant. The orientation of the array is arbitrary, curved or linear. The small transmit antenna can be installed on the roof of a nearby building or container.

- **Robust – suited for harsh environment**

The antenna is designed to withstand harsh environmental conditions and extreme storms. Certifications for specific constructions are available upon request.

- **Lightning protected**

The first lightning protection barrier is integrated in the antenna tuning unit. Another two barriers are protecting the WERA electronics.

- **Easy to service and maintain**

The antenna elements are simple constructed and could easily be replaced. Active receive antenna systems are available providing lower visual impact and are independent from the ground conditions.

- **Cost Effective**

The small and light weight antennas are easy to install and do not require a special base. Most of the antenna elements like the poles, guy robes and carriers can be purchased locally and replaced with local man-power in case of any damage.

- **Safe to Operate**

To install these small antennas typically no building permit is required as it would be for huge and tall antennas. The field strength generated by the small transmit antenna array is below any dangerous level. These antennas can be operated even within areas that are open to the public.

- **Free Site Survey**

We are sure that we almost always will find a suited place to install the antenna array for your application.

- **Please ask for a free site survey !**



at places with public access



integrated into existing structures and buildings



Active Loop antennas



Active monopole antennas



in harsh environment on a cliff or at the beach