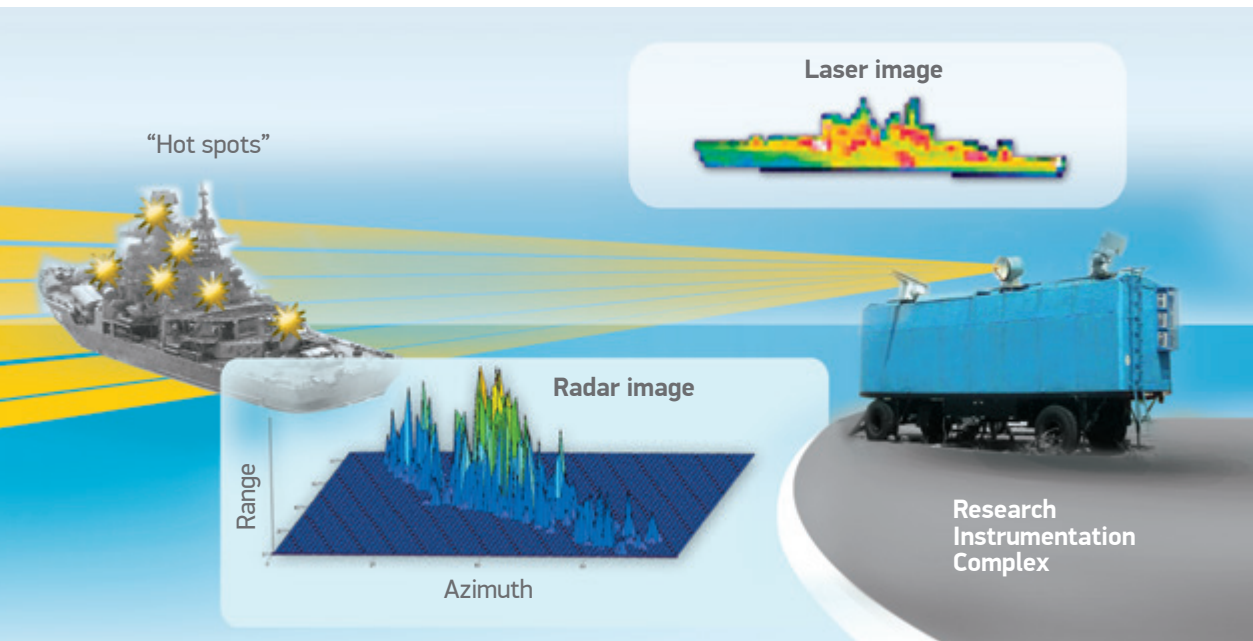


TEST RANGE FOR ACQUISITION OF SHIP RADAR AND LASER IMAGES



The research instrumentation complex is intended to measure and control the radar and laser images of surface ships with a high range and azimuth resolution for identification of “hot spots”.

The complex comprises the hardware, guidelines and software for measuring radar data:

- Gross RCS and scattering matrix.
- Statistic and spectral parameters.
- Radar images in range-azimuth coordinates for “hot spots” identification and elimination.

and laser data:

- Laser cross-section (LCS) versus time.
- Laser 2D images.

Main technical data:

Radar channel

Frequency range	8...12 GHz
Resolution vertically	1 m
Resolution horizontally	1 m
Polarization	HH, VV, HV, VH
Range	300 m – 10 km

Laser channel

Wavelength	1.06 and/or 1.54 μm
Resolution vertically	0.5 m
Resolution horizontally	0.5 m
Range	300 m – 3 km