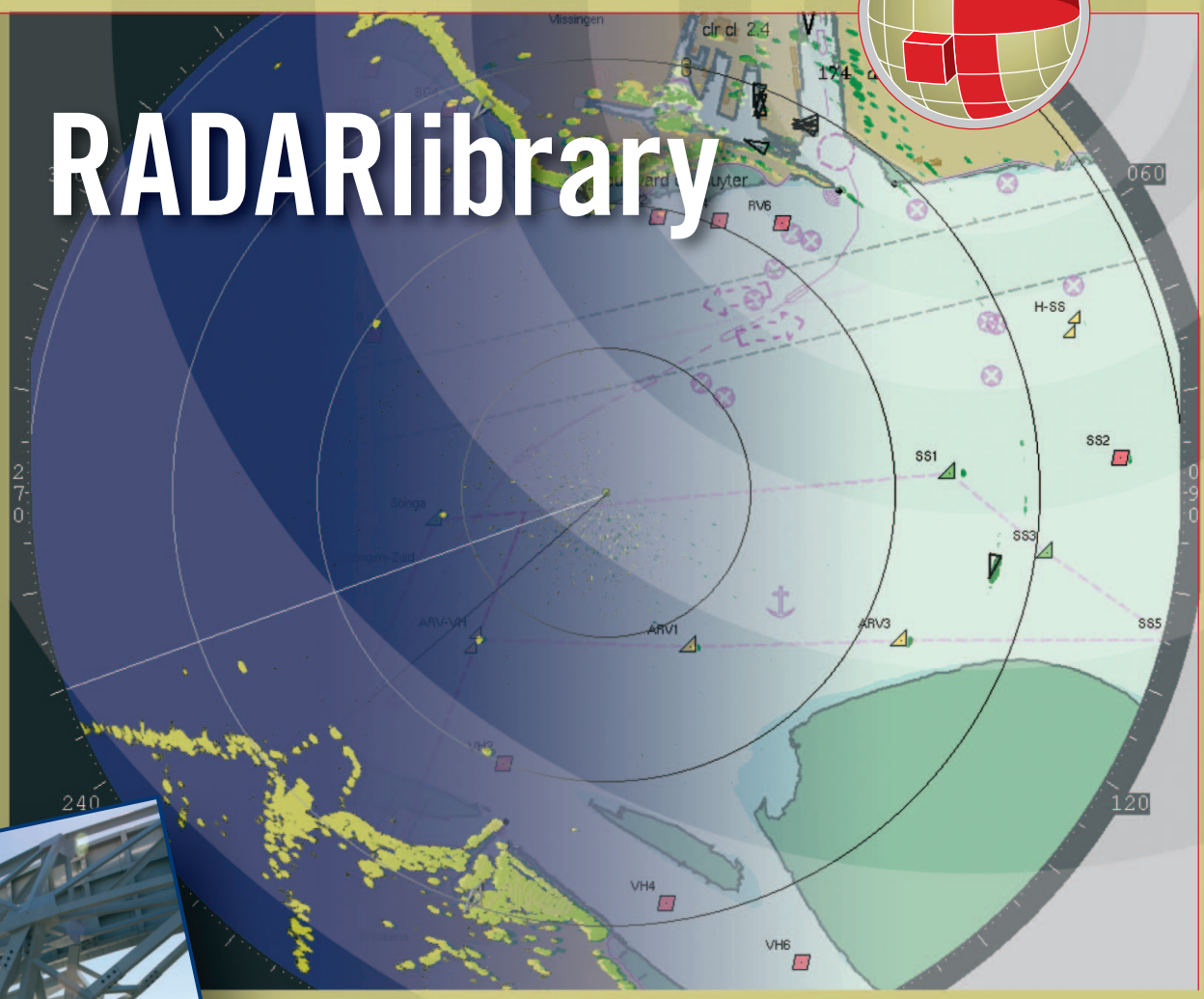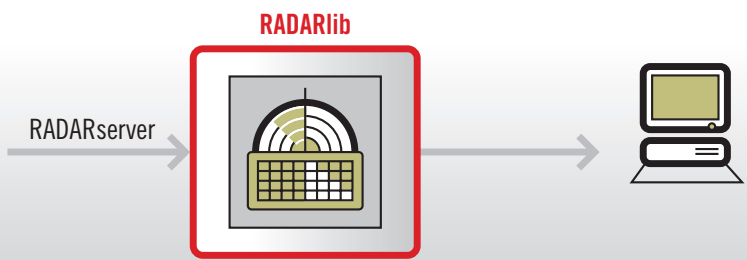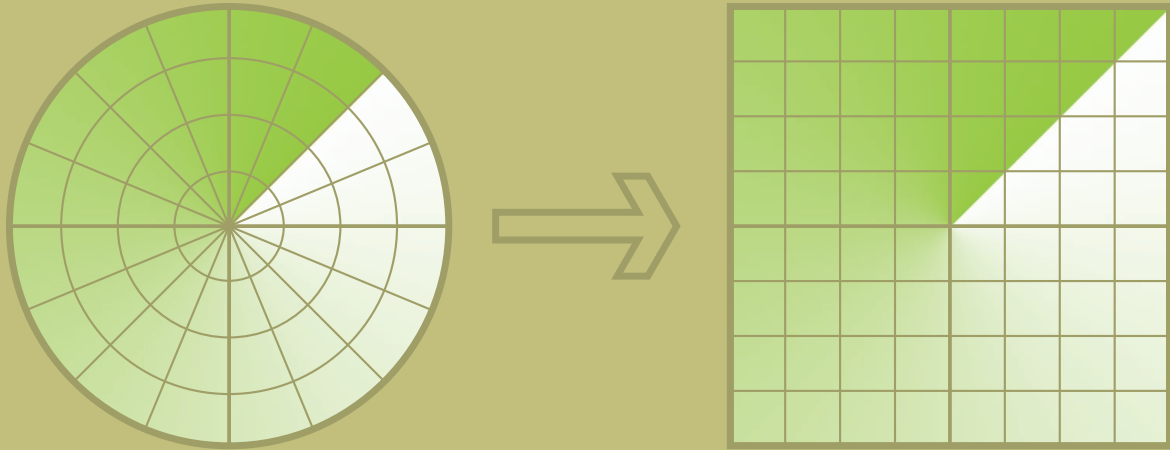# RADARlibrary

RADARlibrary is a professional grade software library for rendering radar video in Windows or Linux applications. It provides high resolution radar images with an impressive level of details, fulfilling the requirements for certified navigation equipment as well as for surveillance applications.

Due to its modern software design, the library takes advantage of multiple core CPUs and OpenGL graphic cards. Image filters, trail handling, various display modes and extensions for transparent overlay with charts complete the functional scope of the **RADARlibrary**. **RADARlibrary** is the appropriate front end to be used in conjunction with radar hardware adapters like RADARserver or RADARserver *LE*.

Sample configuration of the RADARlib

RADARlib

RADARserver

in SIGHT

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Scan conversion

Highlights

- software radar scan conversion library
- high resolution rendering function (1280 x 1024 and more)
- head-up, north-up, relative motion and true motion support
- free off-centring (centre outside screen possible)
- trails recovery after zooming and panning
- filter functions integrated (STC, FTC etc.)

- parallel rendering into several view ports possible
- optional: parallel rendering of different radar sources
- optional: OpenGL rendering engine
- optional: recording and replay
- multi-threaded processing due to hyper-threading and multi core architectures
- available for Mircosoft Windows XP ™ and Linux

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