

## Oil-free compressors at "Seabird"

Project Seabird, Asia's largest naval base at Karwar in the South Indian state of Karnataka, powers its massive ship repair yard with Elgi oil-free compressors.

The Indian naval base which covers more than 11,200 acres of land along the western coast is equipped with facilities to handle a wide range of warships and aircraft carriers. This state-of-the-art dockyard is capable of repairing, refitting and carrying out modernization of ships and submarines. The base can comfortably berth 22 ships including aircraft carriers and submarines.

The Karwar naval base was in requirement of air compressors for instrumentation and general service applications.



Elgi has won, in the midst of intense competition, this turnkey contract to build the complete compressed air plant system with down line accessories, power distribution and air/water circuits. Elgi has provided a complete oil-free air solution system with state of the art oil free compressors, driers, filters, receivers, interconnecting water and air lines, designed to achieve minimal pressure drops and synchronizing the compressor air package with the main plant. The air system plays a vital role to ensure platform survival for the Naval Base. The compressed air system installed at Seabird meets stringent quality norms laid down by Indian Navy, ensuring reliability and consistency to meet their demands.

The oil free compressors were customized to adapt all the requirements needed for monitoring and controlling the air demand pattern to ensure optimum customer benefits. These compressors were designed to generate 1660 cfm of air at 8.8kg/cm<sup>2</sup> for continuous duty with lower specific power consumption and maintenance.

The new installation provides compressed air for ship services such as blasting and instrumentation and is operated with minimal crew involvement.

Elgi oil free compressors are now at the heart of the Indian defence, redeeming its strength in meeting the global standards and hi-tech engineering challenges in project execution.

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