



## Case Study

### Carrier Service Team:

Pro-active service  
functions in  
30HXC375 units





## Pro-active service functions in 30HXC375 units

### Baltic Gallery

A trade centre within which there are over 200 shops with Polish and foreign brands, 20 cafes and restaurants and a variety of service points. The site has 1100 parking spaces.

### Project description

The Baltic Gallery is a site which has been under the care of the Carrier Service Team for a dozen or so years.

As part of the Carrier Service Team's proactive functions and its exceptional care for the site's chilled water units, a decision was taken to carry out measurements of compressor vibrations – despite the absence of any reservations about their operation on the part of the client. After a relatively brief measurement period and laborious analysis of the results, the final report presented a recommendation for a verification of the state of the compressors and for any overhaul that may be needed. The company ECE Projektmanagement Polska Sp. z o.o., which is the owner of the Baltic Gallery, ordered immediate repairs to the compressors, in order to get the entire process over with before the summer season.



## Challenges and solutions

The complex nature and precision of the compressor overhaul process meant that they had to be taken apart and all the actions performed on a specialist repair rig. Verification of the state of the compressor sub-units on the rig showed that there was a need to replace bearings and seals. The most expensive elements of the compressor remained undamaged. The proactive functions of the Carrier Service Team helped to minimise the repair costs.

Measurement of compressor vibration in Carrier chilled water units operating at the Baltic Gallery site constitutes living proof of how routine service functions enable costly and unforeseen repairs to be avoided and servicing work to be planned during the period that best suits the site, e.g. without any deterioration in thermal comfort for clients at the site.

The trust which ECE Projektmanagement Polska has placed in the Carrier Service Team is continuing in the form of planned further measurements of and repairs to compressors in Carrier 30HXC375 chilled water units that are installed in the Baltic Gallery.

We would like to thank the company ECE Projektmanagement Polska Sp. z o.o. for its trust and cooperation over many years.

## Technology

Chilled water units cooled by 30HXC375 units – two compressors in one unit

