

Newsletter



Year 4, 2006-2



SUSPENDED CEILINGS FOR THE NEW OPERA HOUSE IN OSLO

Vibratec Akustikprodukter AB has delivered pendulum mounts for the ceilings in the new *opera house in Oslo*. The isolators, that are custom designed spring pendulums, will reduce sound and vibrations between rehearsal rooms used by ballet dancers and musicians.



There are totally eight rooms, four of these are equipped with our isolators and will be combined with floating floors and elastically suspended walls to form a box-in-box solution for optimum noise reduction.



NEW SHIPS FOR THE SWEDISH COAST GUARD

This autumn *The Swedish Coast Guard* has ordered two large multipurpose vessels; KBV 001 and KBV 002, with an option for a third ship. The ships have large recovery tanks for spill oil, are capable of emergency towing and have offshore fire-fighting capabilities.

The ships that will be delivered in 2008 are built by *Damen Shipyards* in the Netherlands. *Vibratec Akustikprodukter AB* has dimensioned the elastic suspension of the exhaust pipes and will deliver the isolators and compensators.



NEW GENERAL MANAGER AT APN

Alf-Einar Løberg (48), who is a M.Sc. from the *Norwegian University of Technology*, has been employed as a new General Manager for *Akustikprodukter Norge AS (apn)*. Løberg was General Manager for *Navtec AS*, a company owned by *Kongsberg Group*, supplier of maritime control systems.



Løberg will have a key position in *Vibratec Akustikprodukter AB*, being responsible for the company's international marketing. Tore Hanssen, the founder of the company and General Manager since 1995, will continue working as a technical and commercial advisor in the company.

NEW STAFF

From January Thomas Ekmark will join the sales team in *Vibratec Akustikprodukter AB*.

Thomas is not new in the company having worked with logistic matters earlier, the last six months partly responsible for purchasing.

Thomas; who is a Bachelor of Science in Computer technology, has acquired a deeper knowledge of the company's processes and products during the time he has been in the company.



FLOATING FLOOR AT MTV-STUDIO

The *MTV* channel has moved their Scandinavian head office to the *LUMA-house* in Hammarby Sjöstad, Stockholm. The premises consist of 2000 square meters office and studio.

Vibratec Akustikprodukter AB was responsible for the installation of the floor in the studio and speaker box. The floating floor is a 100 mm cast concrete slab on discrete damping elements 85x85x60 in material *CDM-80*.

Similar floors with discrete *CDM* elements have been done by *Hooldusteenus Ou* in Estonia.



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OFFSHORE

On the *Troll C* platform there are two generating sets mounted on vibration isolators from **Vibratec Akustikprodukter AB**. The sets weighing 200 tonnes each were installed in 1998. In November these installations were controlled by *ÅF Inge-mansson* and the results showed no creep in the springs and the transmission loss of the system is determined to be very good.



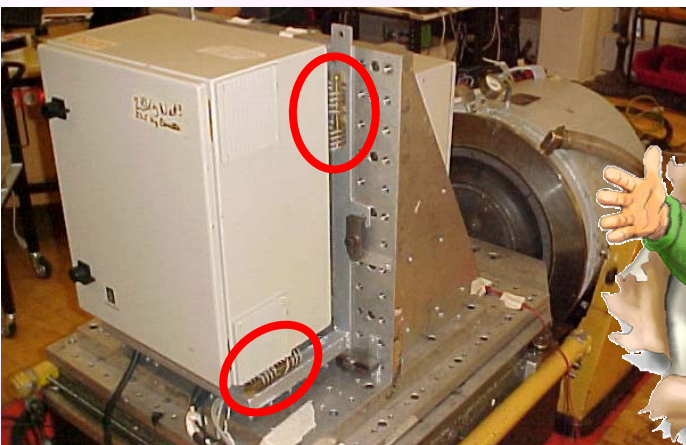
At the offshore exhibition *ONS* in Stavanger our stand was well-attended and new interesting contacts were made. In our next newsletter we will try to focus more on our current offshore projects and our products for the offshore market.

VINNOVA

VINNOVA – research and innovation for a steady growth – has chosen to invest in **Vibratec Akustikprodukter AB** through the program "Forska och Vax".

In tough competition with other companies **Vibratec Akustikprodukter AB** was awarded a grant from Vinnova for conducting a study on vibration reduction using wire isolators.

This study will be performed in close cooperation with *KTH* and the *Marcus Wallenberg Laboratory* for Noise and Vibration research.



SILENCER TESTS

Two tests have been conducted on our three-chamber silencers. One was carried out by the *Marcus Wallenberg Laboratory* at *KTH* and one by *IMS* in England.

By doing these tests we expect to learn more about how the noise reduction varies with flow velocity, different numbers of inner pipes and differences between perforated and solid pipes. The results will be used to improve our standard silencers and to develop the program we use to choose silencers for different engines.

YORK MARINE

Vibratec Akustikprodukter AB has signed a new contract with *York Marine* for delivery of custom designed spring packages with elastic movement limiters. The isolators are to be used for vibration isolation of large compressors. The contract covers four ships with delivery 2007 and options for five more ships with planned deliveries before 2010.

WAVY MATS

A mat of recycled rubber is now available in our product line. The mat is wavy on one side for increased elasticity and reduced contact surface. They are available in the thicknesses 10,



15, 17, 20 and 30 mm. The mats are suitable for applications where there are moderate requirements for vibration isolation and can be used as ballast mats, for cast concrete floating floors and machine foundations. During December the first installation with the mat is made by *NCC*. They are installing 1100 m² of floating floors, with 100 mm cast concrete on this type of mat. This is done in *Sickla Nya Handelshus*, Stockholm.

The rubber material is also available in liquid form and can be used for vibration isolation of rails (*POROTRACK*).

ROOM-IN-ROOM

The work with the *Cinema Palace* in Jönköping is progressing (see our previous newsletter). The auditoriums are built according to the room-in-room principle. For the project **Vibratec Akustikprodukter AB** has delivered 3000 elastic wall pendulums, 800 battens for floating floors and about 5000 hangers for the ceilings. Other similar installations have been made at *Lidingö Town Hall*, *Uppsala new concert house*, *Ungdomens hus* in Järfälla.



AND FINALLY **Vibratec Akustikprodukter AB** wish you all a **Merry Christmas** and a **Happy New Year**.

Our thoughts go to the people that have suffered from natural disasters, deceases, grief or misery. Instead of Christmas cards

and gifts we have decided to give a contribution to the **Childhood Cancer Foundation**.

We are certain that this is well spent money and that our contribution will make a difference.

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