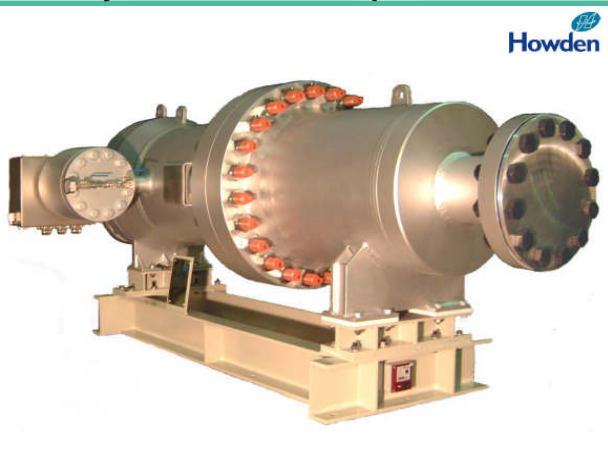
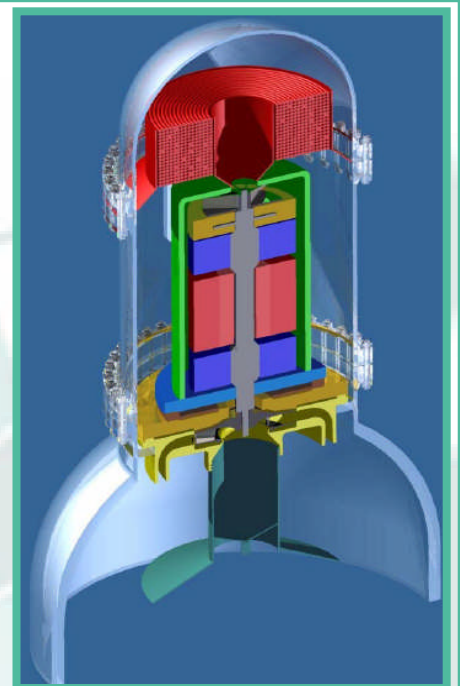


High Temperature Helium Gas Circulators for Generation IV Nuclear Reactors

Alan Rough & Paul Meiklejohn, Howden Group

Although there is currently much action and talk associated with the Generation III Reactors currently being planned by UK utilities, and actually being build further afield, there are also very significant global developments including some in the UK for the subsequent generation of reactors - the Generation IV Reactors. We have such work going on here in Scotland; right now, by the Howden Group.



Alan Rough will present an overview of Generation IV reactor technologies currently being developed around the world; he will then focus on the development programme for the high temperature gas circulators which

Howden will supply for future Generation IV designs.

Paul Meiklejohn will describe the issues and solutions of transposing a concept to detailed design, for high temperature helium gas circulators. This will include the considerations for high temperature material selection, high speed motors with electro-magnetic bearings technology, cooling system developments and pressure vessel design. This will enable you to appreciate the futuristic nuclear developments taking place on our own door step.

This meeting is kindly sponsored by  **Howden**

**Venue: Doosan Babcock Conference Centre
Porterfield Road, Renfrew PA4 8DJ**

for directions, go to:

<http://www.doosanbabcock.com/live/documents/europe%20hq%20directions.pdf>

Tuesday, 18 May 2010

6:00 for 6:30 pm

Coffee, tea and biscuits at 6:00pm

NI-CASS: promoting nuclear as part of Scotland's energy future