

## Bord na Móna - a Big Peat Player

Part of the Bord na Móna group, Bord na Móna Energy Ltd harvests around 4 million tonnes of milled peat annually at 8 production centres, mainly in the Midlands of Ireland.

The peat is harvested from drained and developed peatlands with a gross area of 27 000 hectares.

The harvested peat occupies a volume of 14.5 million cubic metres, and is stored on the bogs in long, linear stockpiles with a total length of 1400 km.

The milled peat feedstock is supplied to four thermal power plants including Edenderry, the other three are owned by the Electricity Supply Board.

Milled peat is also supplied to Bord na Móna Fuels Ltd for the manufacture of peat briquettes and to Bord na Móna Horticulture Ltd for the production of growing media and composts.

Most of the milled peat is transported to clients using the narrow gauge railway network which has a total length of 700 km.

The company employs around 870 full-time and 500 seasonal employees. The company also has interests in wind power projects.

www.bnm.ie  
B151/2383/AS

## Powerful prospects for CHP

In the EU Commission's 2050 vision for the EU energy system, the focus is on achieving a CO2-free electricity generation system by 2050. District heating (DH) is mentioned as a possible method of distributing heat from solar thermal and biomass energy systems. However, in March this year the EU Commission presented their energy efficiency plan for 20% energy efficiency by 2020. In this plan a particular emphasis is given to both district heating and combined heat and power (CHP) as being an integral part of the solution. Indeed the Commission highlights the possible need of in-

roducing mandatory CHP where there is heat demand close to a power plant.

"This is good news for most of our visitors and exhibitors," commented Jakob Hirsmark, project manager for the Nordic District Heating Fair, to be held 20-22 September, at Elmia in Sweden. He explained that CHP is one of the hot topics in the seminars and something visitors are very interested in, adding that the event covers the entire DH system including metering and distribution infrastructure.

Meva Innovation for example will exhibit their new small scale CHP unit for 1-5 MWelectric and 2-

10 MWheat, which produces synthetic gas from biomass which is used as fuel in a gas engine. The technology for gasifying biomass has been around for almost 200 years, but in order to produce electricity the gas needs to be clean.

"Half of all district heating networks in Sweden distribute less than 80 GWh heat annually, with less than 2,5 GWh/km. Within this kind of network our technology can make it profitable to produce CHP," said Mikael Sjöblom, sales manager at Meva Innovation.

Other examples of the exhibitors at the Nordic District Heating Fair that illustrate the scope of the event include:

Estonian Estanc Ltd, an international supplier of pressure vessels, fuel

storage tanks, chimneys and heat exchangers.

Danish 7-Technologies A/S, who provide a district energy network simulation platform for improving system design and operation, currently in operation in 500 cities worldwide, corresponding to more than 100 million homes.

Swedish Osby Parca, who have delivered boilers to professional users since 1935 and provide a complete range of boilers 100 kW to 7 MW range, for fuels with moisture contents up to 50%.

Finnish Vexve Oy, an international producer of ball- and butterfly valves for district heating and cooling applications.

"The international interest for exhibiting is higher than ever before. At the moment there are also ongoing discussions



Mikael Sjöblom, sales manager at Meva Innovation.



Jakob Hirsmark, project manager for the Nordic District Heating Fair

with exhibitors from Austria, Germany, Norway and Cameroon," said Hirsmark.

www.elmia.se  
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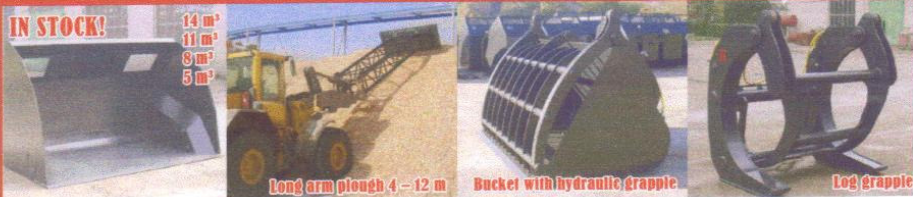


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# Events

## SkogsElmia - a well kept forestry secret

A well-known fact within global forestry community is that the Elmia Wood international forestry tradeshow, which takes place once every four years outside Jönköping, Sweden, is the world's largest "in the woods" event of its kind. A well kept secret though is that the Nordic version, SkogsElmia, is almost just as spectacular and attracts big business too.

Both trade fairs take place in the same area, in the forests south of Jönköping. The difference between them is that SkogsElmia focuses specifically on issues and technologies relevant to and available on the Nordic forestry market, in particular small-scale forest owner equipment has more prominence. In fact the organizers, Elmia AB, purposely target visitors and exhibitors almost exclusively from northern Germany, the Nordic and Baltic countries.

**Investment needs**  
To be held 26-28 May 2011 the organizers anticipate that this edition of SkogsElmia will be just as large as the previous edition in 2007, which attracted over 300 exhibitors and 33 500 visitors.

According to the SkogsElmia project manager Per Jonsson, this high level of interest is due to the strong demand for forest raw material, both from industry and as bioenergy along with a changing structure of Nordic forestry.

"Greater removals of biofuel necessitate dif-



The most obvious innovative feature of the new T-Bear harvester; adjustable track width from 2.9 to 3.5 metres at the touch of a button. Photo: Pellewood

ferent machinery and favour small-scale technology, which is one of SkogsElmia's strong points," he said.

Sweden is the single largest market for forest machinery in Europe, and the southern half of Sweden accounts for more than 65 % of the felling that takes place in the country.

"SkogsElmia is well placed from a geographical point of view and with a high level of

demand, there is a great need for investment," said Jonsson.

### Launch pad for new products

As can be expected, a number of machinery and equipment manufacturers have already indicated that they will unveil new machines and products at SkogsElmia without actually saying what.

"We do not have a forest fair in Finland in

2011 at which we can present the latest innovations. Sweden is an important market for us, and the event attracts visitors from Finland," said Eero Lukkari, marketing director at the Finnish company Kesla who produce a range of forest equipment such as harvester heads, log loaders, cranes and chippers.

[www.skogselmia.com](http://www.skogselmia.com)  
BIS1/2396/AS

## Forlener

Organised biennially since 2001, FORLENER (Forest-Wood-Energy) has grown into the leading Italian fair exclusively focused in the forest-wood energy chain. To be held 23 - 25 September 2011, the 6th edition returns to the Biella Fiere exhibition centre, in Biella, Piedmont Region, North-west of Italy. With over 17 000 sq.m indoor and outdoor space the event covers all products and services from forest management and plantations of fast-growth spe-

cies to the utilization of wood as an energy source at all levels: (household, communities, industries); machinery and equipment for cut, pick-up and first manufacture of timber; anti-fire equipment and safe working devices.

In addition there will be live machinery demo's including fire fighting, workshops on energy and heating from wood as well as guided tours to wood and biomass power plants in the region.

[www.forlener.it](http://www.forlener.it)  
BIS1/2422/AS

### - Italian "Forest-Wood-Energy" Fair



### New Forest Species - The T-Bear

A brand new forest machine manufacturer from a brand new company will make its debut at SkogsElmia - the "T-Bear" from Green Wood Logistics AB.

The T-Bear machine is a typical example of Nordic forest technology innovation and development.

In this case Torbjörn Ericsson a Swedish forest contractor who decided to build his own forest harvester from scratch based on the needs and wants from a contractor.

It contains several pioneering design features, including variable track width.

"The result of his simplicity and user friendliness design philosophy is a full-size harvester in small-sized package.

It is a machine just packed with innovations both own patented solutions and applied from speciality vehicles such as ambulances," revealed Jonsson. He too has many years operational experience of forest machinery and was given a sneak preview of the T-Bear.

"There are many innovations underneath the hood that aren't apparent at first glance. One revolutionary innovation in particular I believe will come to be regarded as a technological leap forward, but you have to wait until SkogsElmia to see what it is and why," said Jonsson.

BIS1/2447/AS