

Your Global Source for Automated Biomass Cranes.



Experience counts.

In the emerging field of biomass energy, the value of an experienced material handling partner who can bring proven technology to your project is almost beyond measure. Konecranes has been the lifting partner of choice for waste-to-energy and biomass projects in Europe for decades.

Konecranes' crane and automation technology can give your project a significant head start in both planning and profitability.

From livestock and poultry waste to crop residue, dedicated energy crops, forest crop residue, food processing residue and sorted urban waste, Konecranes has been at the forefront in developing environmentally sound and fiscally successful WTE and biomass solutions for municipalities and industry all over the world.

The problems to be solved are as diverse as the materials handled, but we know the territory.

For example, we wrote the book on crane specifications tough enough to deal with highly corrosive poultry litter on its way to becoming electricity for both the UK and US markets. We've engineered cranes for successful urban heating initiatives in Finland and Denmark that employ crop residue as fuel. We've even helped an upscale Canadian ski resort turn its garbage into salable potting soil instead of a landfill. No matter what biomass initiative you are considering, chances are we've already begun working on a solution.

At Konecranes, we work together to bring all of our knowledge to bear on each new problem. Our proven Load Control Technologies and intelligent automation solutions are exactly what is needed to optimize the transition from trash to treasure.

Visit with us to learn more at:
www.konecranesamericas.com

KONECRANES®
Lifting Businesses™



BIOMASS CRANES BY KONECRANES

Order	Country	Qty.	Project / Customer	Application	Automation	MTons
2008	Sweden	1	Möndal Energi AB	Biofuel	Full	9.0
2007	Norway	1	Frevar Bio-El., Fredrikstad	Biofuel	Full	8.0
2007	Finland	1	KMW Energi i Norrtälje / Åland	Biofuel	Full	5.0
2007	Sweden	1	Marks Värme i Skene	Biofuel	Full	12.0
2007	Sweden	1	Söderhamn Energi AB	Biofuel	Full	9.0
2007	Sweden	1	Tidaholm Energi AB	Biofuel	Full	7.0
2007	Sweden	1	Wärtsilä Biopower Oy, Halmstad	Biofuel	Full	7.5
2006	Sweden	2	KMW Energi i Norrtälje / Norrtälje	Biofuel	Full	10.0
2006	Denmark	1	Slagelse Kraftvarmeværk	Haybale to Power / Heat	Full + Manual	2.0
2006	Sweden	3	Wärtsilä Biopower Oy / Amel	Biofuel	Full	7.5
2005	Germany	1	Austrian Energy & Environment AG	Biofuel	Full	11.0
2005	Sweden	1	KMW Energi AB / Ljungby Energi AB	Biofuel	Full	8.0
2005	USA	4	SNC Lavalin Constructors / Fibrominn	Poultry Waste to Power	Full + Manual	18.2
2005	Sweden	1	Wärtsilä Biopower Oy, Trollhättan	Biofuel	Full	8.0
2004	Austria	1	Kirchdorfer Zementwerk Hofmann	Biofuel	Full	2.5
2004	Sweden	2	Tekniska Verken i Lindköping AB	Biofuel	Full	12.0
2003	Sweden	1	Norrenergi AB, Solna Värmeverk	Biofuel	Full	9.0
2001	Denmark	2	Själlandske, Advedoreværket	Haybale to Power / Heat	Full + Manual	12.2
2001	Denmark	2	Själlandske Kraftværket	Haybale to Power / Heat	Full + Manual	12.0
2000	Sweden	2	Ljungby Energi AB (Ljungsjöverket)	Wood chips / Refuse	Full	13.0
2000	Norway	1	Viken Energinet AS, Norway	Biofuel	Full	10.0
1999	Sweden	1	Marks Värme AB, Skene	Wood chips	Full	13.0
1999	Sweden	1	Sala-Heby Energi AB	Wood chips	Full	10.0
1997	Denmark	2	Sønderjyllands Højspaendingsv.	Haybale to Power / Heat	Full + Manual	22.0
1996	Sweden	1	Kalix Värmeverk	Wood chips	Full	13.0
1996	Sweden	1	Munkfors Värmeverk	Wood chips	Full	6.3
1995	Sweden	1	Lomma Energi AB	Wood chips / Paper	Full	6.3
1995	Denmark	4	Studstrupværket	Haybale to Power / Heat	Full + Manual	22.0
1994	Sweden	1	Bodens Energi AB, Boden	Wood chips / Refuse	Full	13.0
1994	Sweden	1	Kristianstads Energiwerk	Wood chips / Refuse	Full	12.5
1993	Sweden	1	Drefvikens Energi AB	Wood chips / Refuse	Full	10.0
1993	UK	2	Fibrogen Powerstation	Poultry Waste to Power	Full	8.0
1991	Denmark	1	Nordsjullands Biogasanlag Helsingør	Refuse to Biogas	Full	3.2

The benefits of working with one company that can design both the cranes and the automation without involving another vendor are clear. Konecranes extensive experience with automation, and library of ready-to-implement solutions, can shave months or years from your projected start date.

Understanding the materials and finishes required to operate in a hostile environment is also key.

Features for improved Safety, Reliability, and Productivity:

- DynAPilot Sway Control
- DynAMonitor Maintenance Monitoring
- CMS Crane Monitoring System
- Remote Monitoring
- AutOPilot Semi-Automation
- 3-Shift Full Automation
- Automated Safe Working Area
- Remote Control House
- Ergonomic, Full-Featured Operator's Chair and Console
- AFE Network Braking
- High Quality, AGMA 1.1 Gearing
- Available 3-coat Epoxy / Polyurethane Paint
- Stainless Steel Electrical Enclosures
- Air Filtration and Positive Pressure to exclude dust
- Moisture Sensing Technology
- Automated Fuel Mixing to equalize moisture

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