

# Years of Rendering Solutions



Made in Denmark



**With Lildal on your side ...**

## **... your initiatives and skills will pay off**

We aim to be right up there with the best when it comes to rendering solutions. Irrespective of whether you need a completely new processing plant or you want your present plant optimised. We also offer maintenance solutions to improve your processing plant – this also means, of course, that we've got any spare parts you might need quickly to solve any operational problems.

We aim for all the solutions we deliver to meet your unique, individual requirements. That is why Lildal has arrived at these clear objectives:

1. We supply and maintain both individual components and whole processing plants for the by-products industry – including the bioenergy sector
2. We concentrate our resources on delivering the best possible products – and optimising our core process portfolio
3. We will assist our customers – irrespective of where and when you need us
4. We comply with all relevant directives, certification requirements and standards laid down by the authorities



We focus on companies that process by-products from animal and plant-based production.

Beef / pork / sheep  
Poultry  
Feathers  
Blood  
Fish  
Bioenergy



# With our help, waste materials ...

## ... become resources

With ever greater emphasis on waste-disposal problems and the bottom line, rendering is an important factor in how best to utilise natural resources.

If we did not supply animal producers with feedstuffs – which are not suitable for human consumption – feed would have to come from the general food production sector. This would lead to scarcity and rising prices, particularly in some of the world's most vulnerable countries.

Price is, of course, also a factor when our products are used as components in finished products for human consumption. The result is no wastage and a cleaner environment. The carbon-neutral biosector is an area we shall increasingly focus on in future, and plant by-products can come to play an important role as a source of energy.

At Lildal we have more than 60 years' experience of offering industrial solutions that comply with all relevant guidelines. We have always customised our products to meet every national and local requirement and guideline.

In recent years rendering has increasingly come into the limelight – because the finished products (meat and bone meal) are indirectly used for human consumption. As this means that certain diseases can spread to humans, a number of rules and regulations have been laid down to protect the public from any risk associated with the consumption of meat and meat products.

In the EU this is governed by the so-called "By-product Regulation". Its official title is "Regulation (EC) No 1774/2002", and in it the European Parliament and Commission have laid down rules for by-products not suitable for human consumption. The directive came into force on April 30, 2003.



All equipment supplied by Lildal is manufactured in full compliance with European standards.





**More than 60 years  
of innovation and  
development ...**

## **... are built into all our solutions**

With more than 60 years' experience we know that every customer's requirements are different. That's why we offer both standard equipment and solutions that are customised to your particular needs. When you choose a Lildal solution, you are opting for the best equipment in the market place. The indisputable quality and engineering know-how embodied in our solutions set new standards for dependability and reliability of service.

Our thorough design and construction ensures maximum uptime. We know what continuous production means on the bottom line. Breakdowns cost money – which is why our solutions and equipment have been manufactured to keep operating – day after day after day. And cleaning and maintenance are carried out with a minimum of wasted time.

People notice the many qualities of Lildal's product portfolio. Over the last six decades we have sold and /or assembled no fewer than 500 plants – in Denmark and abroad.

Visit [www.lildal.dk](http://www.lildal.dk) for more information about our wide-ranging product portfolio and competencies.

### **Capacity and Size**

Lildal is part of LM Group and owned by LM Stålinindustri. Lildal shares the premises of LM Stålinindustri, and therefore has direct contact with the more than 2,500-sq.m. production site and the Lildal and LM Stålinindustri team of qualified engineers, designers and skilled workers.

In addition, a trusted network of suppliers has been established over the past decades giving Lildal the capacity to deliver supreme quality at the agreed time and price – whether the requirement is detailed project planning, construction, production or sales and maintenance of production plant and plant components.

Please visit [www.lmsteel.dk](http://www.lmsteel.dk) for details of LM Stålinindustri capacity and technology.



LILDAL provides solutions ranging from a processing capacity of 400 kg to 10 tons of raw materials per hour. We provide plants to process:

- Pork offal
- Beef offal
- Lamb offal
- Poultry offal
- Blood
- Fish offal and industrial fish
- Plant products and plant waste





Service when you need it ...

## ... no matter what, where or when

Our customers see us as reliable and innovative business partners. We're very proud of that. That is why you can be certain always to get a proper and carefully considered answer when you turn to us for advice or assistance. We promise to react immediately to customers' phone calls – and to e mails and faxes within 24 hours.

We will also provide you with an estimate or offer within just a few days unless otherwise agreed. Our employees are always at your disposal, whether you need:

### **Projecting and layout of a new plant**

- We can generate layouts based on your capacity and needs
- Based on an already generated layout we can quote equipment

### **Optimisation of an existing plant**

- We can analyse your existing plant and suggest new equipment or process change to increase your capacity or lower your costs

### **Spare parts**

- Contact us, and we'll let you know which spare parts we have in stock
- If we don't have the necessary part in stock, we'll give you a price for manufacturing it

### **Repairs and maintenance**

- On-site repairs and maintenance are carried out by appointment with highly trained staff from LM Stålinindustri

Lildal is represented worldwide via agencies and distribution networks. Give us a call if you need to speak to your local Lildal contact.

Our aim is to provide customers with quality, professional advisory functions and service – making us the natural choice every time you need assistance. Lildal offers assembly and installation services via its partners in LM Group, LM Stålinindustri. [www.lmsteel.dk](http://www.lmsteel.dk)

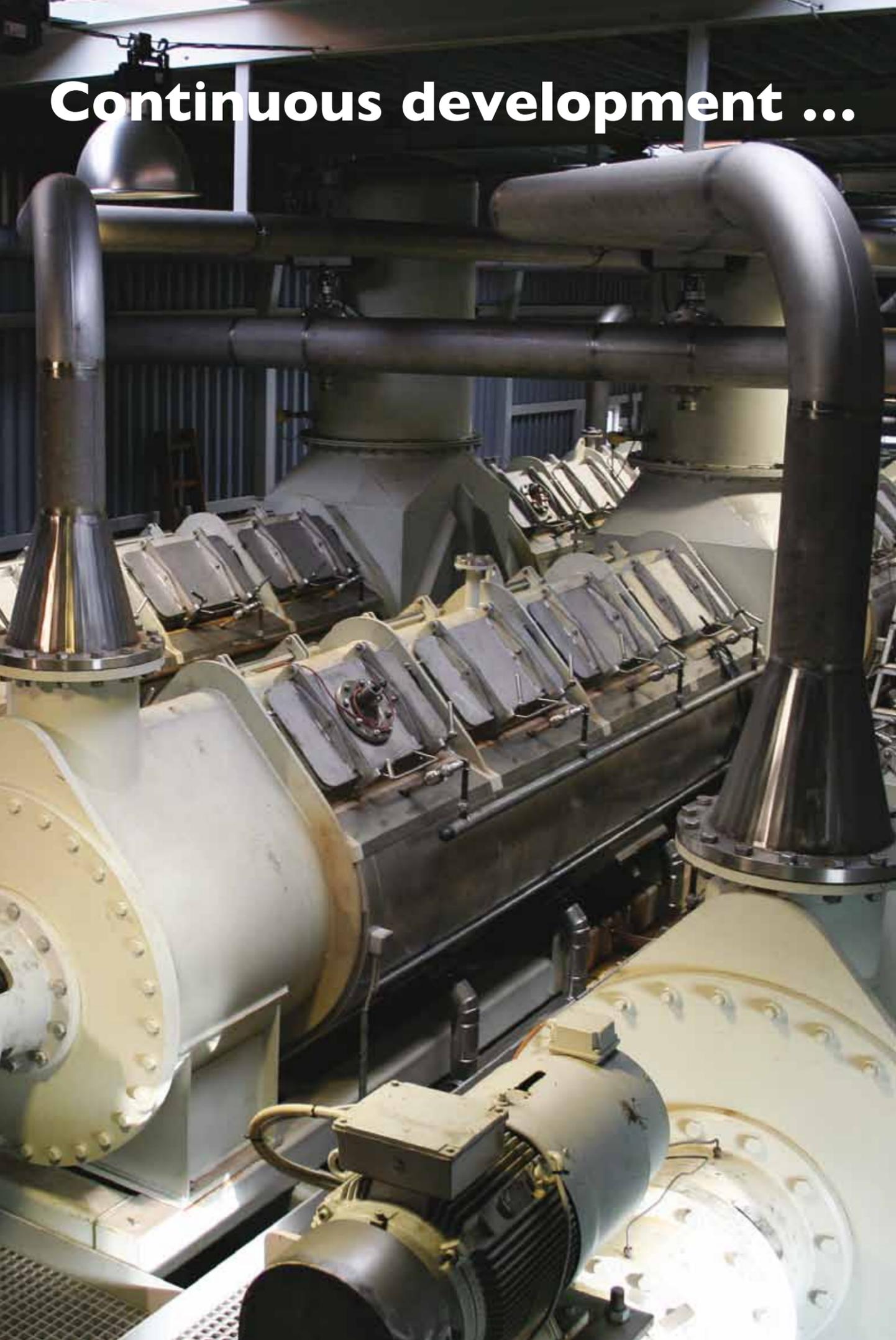


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# Continuous development ...



## ... steady profit

Our history is the story of our commitment to progress and innovation. And we remain focused on the objectives that are key to our business:

- It is our aim that our customers should see us as a dependable and trustworthy supplier of innovative, quality solutions
- It is our aim to be the partner our customers turn to – to help them realise a dream or when they face a problem in their present plant
- It is our aim for the future to be seen as a serious and well-established player in the global market



### A short summary of our history:

- 2013. Lildal and Xergi enters in partnership on Bromass Preparation (NIY) Plant
- 2012. First fully Automated plant delivered in the Middel East
- 2008. LM Ståindustri acquires Lildal as a subsidiary of LM-Group
- 1998. Peter Bacher takes over at LM Ståindustri A/S
- 1993. LILDAL A/S is founded
- 1986. Peter Bacher joins J. Lildal A/S
- 1983. The last extraction plant is delivered
- 1973. LM Ståindustri is founded and starts functioning as supplier of machineries for the rendering industry, steel structures for J. LILDAL A/S
- 1962. Ivar Lildal joins the company
- 1947. Unique extraction plants are developed and exported globally
- 1946. J. Lildal A/S is founded
- 1935. Jakob Lildal invents the steam-heated agitator and introduces it worldwide
- 1932. Graduate engineer Jakob Lildal embarks on a career in the rendering industry as technical manager for A/S Strømmen Maskinfabrik





**Lildal**

Part of LM-Group

Lildal

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