

Some call it process automation – we call it PENKO



PENKO FLEX 2100 Controller



Process automation



Check weighing



General manager Susanne Krause has German parents, was born in South Africa, has been living in the Netherlands from 2006 off and has been employed at Penko Engineering since 2011.

EDE - Penko Engineering is a process automation company, with special expertise in measuring and weighing very accurately and with high speeds. The company from Ede is active in a lot sectors, but fish is one of the spearheads. Whether it is for fishing, fish processing or for fish farming.

For the food processing industry checking and regulating of weight is essential, from raw material to finished product. Penko Engineering explains in its own words to 'develop, create and provide technical support of particularly reliable weighing instruments and controls, operating with high speed, high internal resolution and high accuracy'. Last year the company celebrated its forty-year jubilee. In 1977 Penko was founded by Vincent van der Wel. In 2009, the company moved from Veenendaal to the current location in Ede. Van der Wel still weekly can be found here,

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PENKO FLEX Controller



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Belt weighing

Penko Engineering for more than measuring, weighing, dosing and data storage

'We do the fish!'



36 persons work at Penko, including a manager for each of the six departments

but did sell Penko in 2004 already to Electronic Theater Controls (ETC), market leader in the United States in the field of theater lighting. A very different branch of sport, and by the takeover weighing in Ede moved for some time to the background. The last four years, however, the full focus is again on weighing. "There must be weighed, mixed and dosed everywhere. That's why we can be found in a lot of sectors", says general manager Susanne Krause. "Bread, drinks, vegetables, fruit and certainly fish too." Fishery and fish processing has according to Krause been chosen as one of the spearheads for Penko. „We do the fish! We have a lot of experience there together with many customers,

mee en ook veel klanten, van machine- from machine builders to end users. And what works well in the fish processing industry we can also apply in other sectors."

CUSTOMERS

AFAK Techniek from Katwijk, manufacturer of grading systems on board of trawlers, has been a Penko customer for weighing systems board of ships for twenty-five years. Last year the Icelandic trawler 'Navigator' has been equipped with a weighing system with built-in compensation for all disturbing effects of swell and electronic equipment on-board. Given the circumstances on the high seas now batches

SEAFOOD EXPO GLOBAL

This month Penko has a booth on the Seafood Expo Global. "Because the fishermen and the fish-processing industry have the specific and focused attention of Penko we cannot miss this important exhibition. It is a short but effective way to meet all customers in the sector. What we will show, among other things, is the latest news for the fish farming sector: the wireless sensor technology with accompanying cloud solution for a real live scenario".



Technical support in designing, developing, programming and testing at Penko.



Susanne Krause with technician Joost Sluiter, working on the measuring project for fish farms in the Mediterranean.

PENKO about PENKO.

PENKO Engineering BV focuses on developing, creating and technical supporting of particularly reliable weighing instruments and controllers, operating with high speed, high internal resolution and high accuracy, especially designed for use in the process industry. We also provide an extensive collection of components for weighing, dosing, measuring, displaying and controlling as well products for installation in automatic machines.

Continuously increasing material costs, the stricter environmental requirements, demands for food safety requiring a quality assurance supported by tracking and tracing facilities, forces the processing industry to pay attention to consistent quality. The most fundamental reliable measuring method to comply with the foregoing is weighing, regardless of the product being a liquid, solid, powder, granulate or gaseous.



of fish are composed with a particularly high accuracy on the ship. Krause: "That only is possible thanks to the very high measuring speed and internal resolution of our instruments." According to Krause currently 20 percent of Penko's sales is related to fish. "And we want that to raise". "In the customer base from Penko there are several fish auctions, companies from the Netherlands and elsewhere in Europe processing fish, shrimps and mussels, such as Haasnoot Vis and Euro Baltic, the herring processing plant of Parlevliet & Van der Plas in Germany. Moreover Penko supplies to machine builders, like Jansen Techniek from Putten, instruments used in a wide range of fish processing machines. From grading on weight, processing, packing

of fresh fish up to filling prepackages with fish preserves including the preparation of the preserving liquid; Penko has a solution.

CLOUD

The concept of big data currently is a topic. In a negative sense when it comes to hacking and violating privacy. But 'big data' are also needed to gain an overview of the logistic flows. And of course legal regulations require everything is accurately recorded; from catch to delivery to the customer. Penko therefore has software packages with reporting modules, giving insight in the production processes throughout the company. The weighing controllers collect production data, product names, weights, lot numbers, date, time and so on, which are grouped

into programs like Datareporter. "Measuring means knowledge; for purchasing, quality control, forwarding and the business office". Subsequently, secure storage takes place in the cloud.

A project where Penko on this moment fully engaged in is fish farming at sea. Krause: "Via a Danish manufacturer of equipment for fish farms we came into contact with fish farmers in the Mediterranean, looking for a solution for remote measuring of the temperature and oxygen levels in the fish cages including uploading of these data into the cloud. This is also process automation. The pilot we recently performed has been successful, and soon in 14 more fish farms the required equipment will be installed"

Penko supplies a wide range of instruments and controllers for accurate weighing and dosing at high speed and a range of supporting products like power supplies, input and output modules, cable junction boxes and printers. The series industrial weighing platforms have sizes from 150 x 150 mm up to and including 4 x 1.5 meters and weighing capacities from 0 - 3 kilos up to and including 0 - 6,000 kilos. For the American parent company in theater lighting equipment Penko in Ede has an important warehouse function.