

# SOFTWARE SOLUTIONS



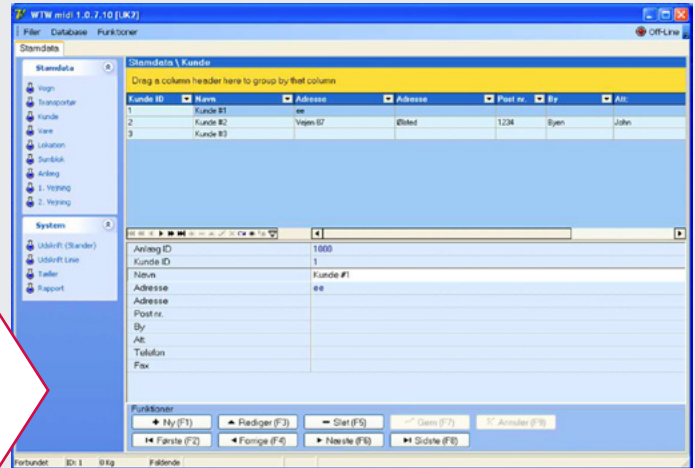
# MAUS

Danvægt's flexible software program, MAUS, is a powerful weighing program for companies large and small.

New functions are constantly being added to MAUS as demands increase.

MAUS can be installed on a standard office PC with the Windows operating system. MAUS can also be installed on server systems and used in systems in which the master data and the weighings are kept separate.

The master data client is used to manage the master data and to support operator-controlled weighing on one of more scales. It can be installed on multiple PCs, and can be used to operate multiple scales.



MAUS is built around strong core of weighing functionality – the user interface can then be modified and new wishes and improvements can be implemented in the software over time.

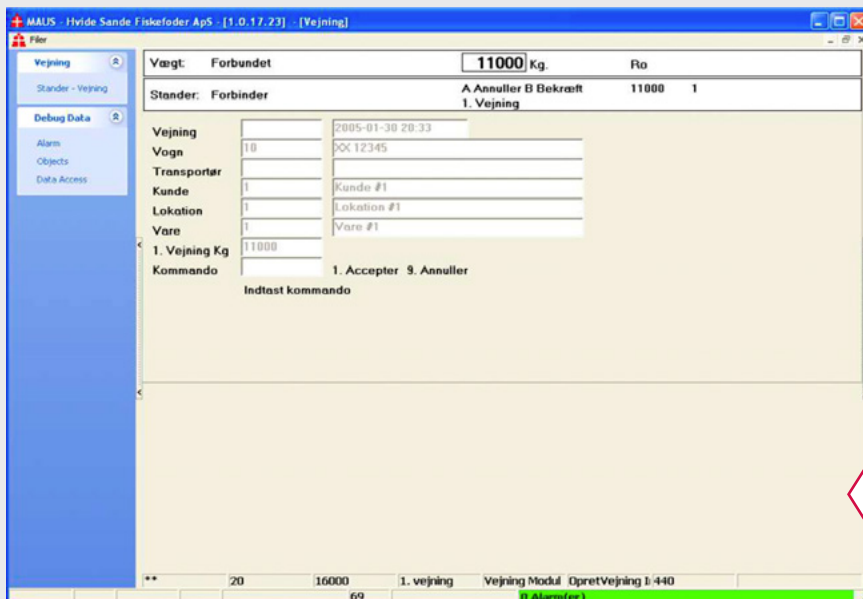
MAUS also applies the principle of flexible development, meaning that MAUS can communicate with a wide range of operating equipment including traffic lights, barriers, access control systems, and many different types of driver terminal.

MAUS is structured to support a mix of operator control and driver control at the same weighbridge, for example at different times of day.

The weighing sequence in MAUS, too, is configurable for particular clients so it can respond flexibly to the varying flow on the scale.

CLOUD

MAUS supports a cloud solution, with weighbridge data saved to the cloud. Users can then access the data by logging in, for example to download weighing data for invoicing. This means that MAUS can also be installed as a distributed installation, with parts of the program and control taking place locally at the weighbridge, and functions like administration and reporting happening remotely.



The weighing client is used with the master data client for driver-controlled weighing, e.g. using terminals next to the scale. The weighing client can be expanded for multiple weighing clients and scales.

MAUS can be upgraded with a wide range of standard modules, and extra functionality is added all the time.

### BIOMASS module

Calculation of dry matter and energy content, with extraction and weighing of samples in trays in order to obtain the overall calorific value.

### ADS module

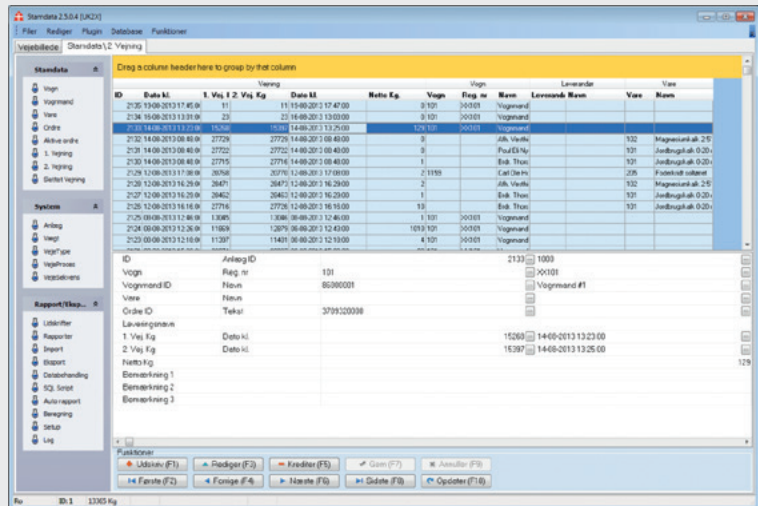
Reporting to the Danish Environmental Protection Agency based on completed weighings – the ADS module creates a CSV file (Excel file) that can be uploaded to the Danish Environmental Protection Agency. The ADS module contains the tables allowing the underlying reporting data to be generated on the basis of the Goods, Customer and Haulier data obtained.

### Image module

The images are stored as jpg files, and images are taken from each weighing (first and second weighing). Old images are deleted automatically, and images to be used for documentation can be copied and saved.

### Email module

If a second weighing is carried out for certain customers, a weight slip can be sent to a specified email address as a pdf document.



### Reporting

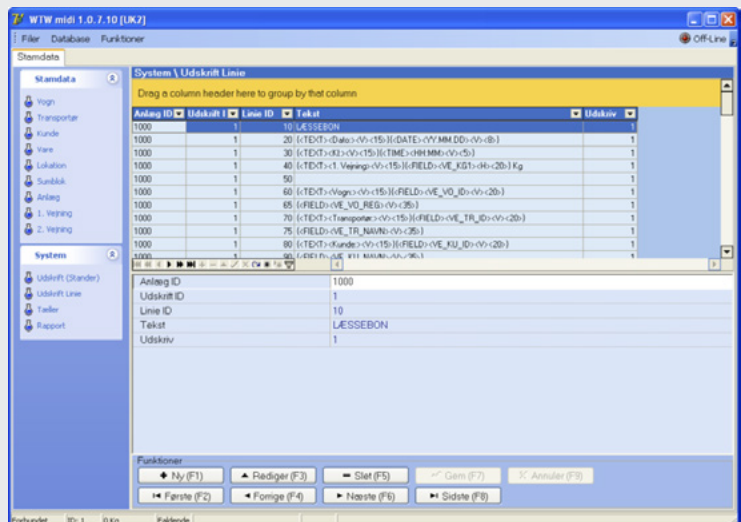
MAUS has an integrated reporting tool allowing experienced users to design their own reports. The standard version comes with a range of predefined reports meeting most requirements.

The weighing receipt can also be customised for particular needs.

### Data export to invoicing system

MAUS has a built-in export generator, and modules are available to export data from MAUS to specific systems. Our installer and the customer's IT department agree on data formats, and the installer is involved in testing to make sure that the integration works properly.

MAUS also has export programs to send a file with weighing data. It can access data from SQL databases, and other systems can import directly from MAUS's own SQL database.



# BridgeMaster

## Integrating scale, weighing program and ERP system

Danvægt works with Navision suppliers to develop BridgeMaster, a powerful tool for incoming and outgoing weighing of materials.

The materials could be sand and gravel from a quarry, waste from disposal centres, or many other materials from sectors of all kinds.

BridgeMaster is a combined weighing and ERP system designed for stability and speed during individual weighings, however many weighings take place. The data is recorded instantly, even for automatic weighings, and the invoice can be ready even before the haulier has left the scale.

The weighing component itself was developed on the basis of Danvægt's long experience in the field, and can be controlled by an operator or the driver. Future updates to Navision will be more straightforward because number of changes to the ERP part of the program is very small.

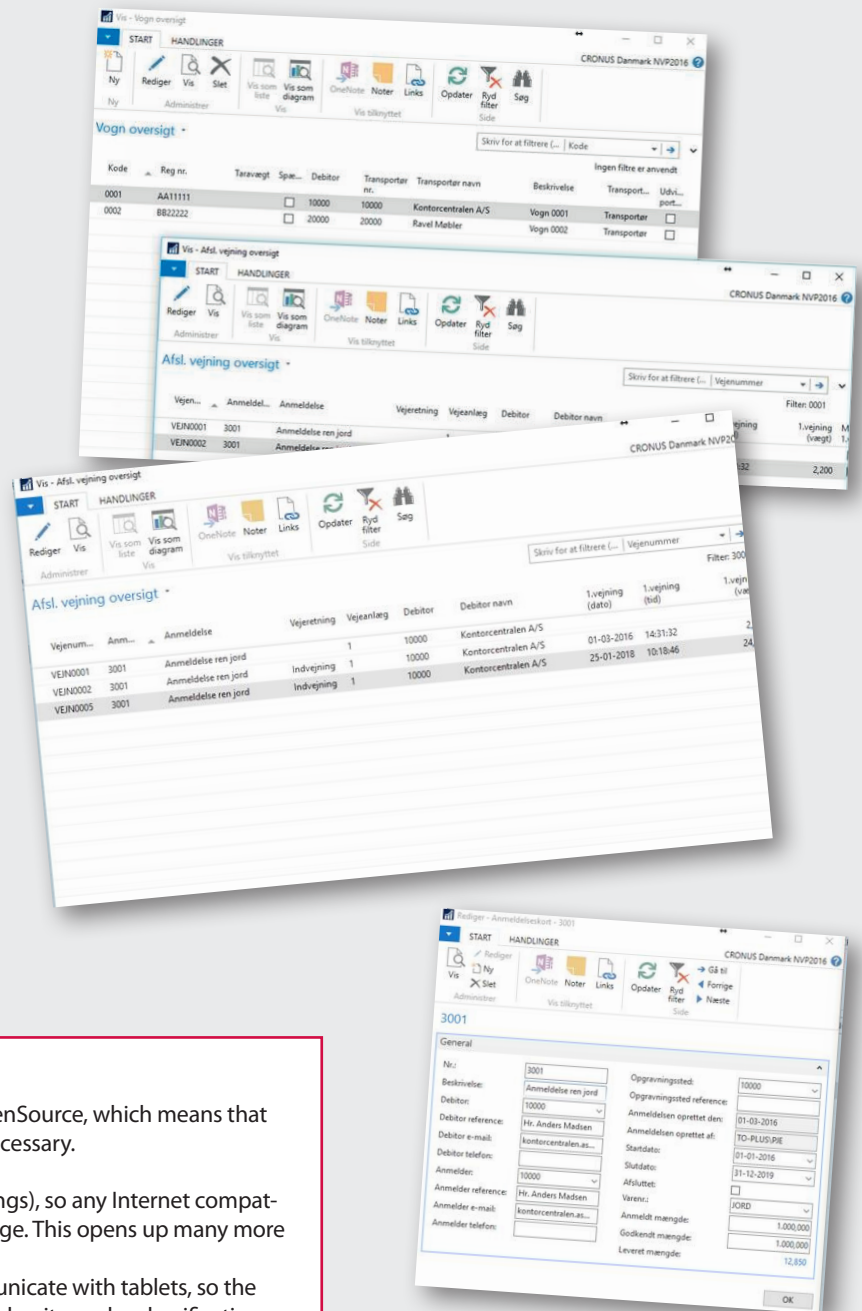
BridgeMaster is split into packages for different sectors, with modules including ADS, camera, reclassification, barrier and traffic control.

### OpenSource and IoT

All the BridgeMaster code is registered as OpenSource, which means that NAV developers can modify the program if necessary.

BridgeMaster is also IoT ready (Internet of Things), so any Internet compatible equipment can connect to the weighbridge. This opens up many more opportunities to develop the solution further.

For example, solutions already exist to communicate with tablets, so the weighing process can be tracked from external units, and reclassification and sampling can be carried out from mobile equipment.



The latest version of BridgeMaster was developed on a Microsoft Dynamics NAV platform.

# DataBridge

## Standardised data collection from the weighbridge

As a longstanding partner of Mettler-Toledo, Danvægt offers DataBridge for weighbridges and other industrial weighing applications. DataBridge is built around intuitive icons guiding the user through the weighing process.

DataBridge is available in all Scandinavian languages and most other European languages, making it particularly suited to international applications.

DataBridge is a cost-effective weighing program that supports data capture on a computer and allows new functions to be added over time.

DataBridge can be configured in many different ways, and external systems can “subscribe” to data from DataBridge. For example, an invoicing system could subscribe to weighing data so it receives it as soon as the weighing takes place.



With DataBridge you can start with a module for one scale and then steadily add terminals and more functions to the installation as necessary. This is easy to do because the system is unlocked for extra functions and there are no annual licensing costs.



# Indicator



## IT 1000

The Systec IT1000 is a simple, robust indicator designed for data collection from load cells – the weight is output to the display, sent to a printer or forwarded to one of Danvægt's software systems.

The Systec indicator can be built into the terminal, fixed to a wall or supplied as a desktop version. It can be sited indoors or outdoors as required.



## IT 6000E

The Systec IT6000E indicator is ideal for complex data input on the indicator keyboard itself.

### Control unit next to the scale

The IT6000E can communicate with Danvægt's software solutions and is used as a control unit, with the data stored in computer databases.

### Control functions with the IT6000E

The IT6000E indicator can use its built-in preprogrammed software to integrate and operate equipment such as traffic lights and barriers.

Remote controls can be added to the solution, allowing the process to be controlled from a truck or a tractor for example.

Once the remote controls are set up at the terminal, there is no need to leave the vehicle to carry out weighings.

The range from the scale to the remote control is at least 10 metres.



## IND 780

### Digital load cells

The IND780 indicator is perfect for digital load cells. Digital load cells are more robust than standard load cells because the cables cannot pick up electric noise and are immune to lightning and electrostatic discharge. Danvægt uses Mettler-Toledo digital load cells, and although the initial outlay is higher than analogue load cells, the scale is subsequently much cheaper to service and run, especially in systems

that have been in use for several years with cables laid outdoors and no longer in the best condition.

### An indicator showing individual weighings and combined weights

The IND780 indicator can control two or more scales, making it ideal for multi-scale weighing – individual weights can be viewed simultaneously alongside the combined weight, all on a single indicator.

## The Danvægt goals

Danvægt is customer-orientated and we aim always to supply a future-proof product to our customers. At Danvægt we strive to meet our goals by delivering substantiated documentation and accurate product descriptions, and we do our utmost to ensure that every customer who trades with Danvægt receives excellent service and reliable delivery.

At Danvægt we always seek to find the best solution for our customers.

## Quality

To meet all our customers' quality requirements, Danvægt is certified in accordance with the DS/EN/ISO 9001.



### Head Office

Naversej 26  
DK-8382 Hinnerup  
Denmark  
Phone +45 86 98 55 77  
Fax +45 86 98 66 37

[danvaegt@danvaegt.dk](mailto:danvaegt@danvaegt.dk)  
[www.danvaegt.dk](http://www.danvaegt.dk)

