Product portfolio

Why choose Us

In Field

Real time quality map — Nutrient management

+ Returns per hectare
+ Quality
+ Efficiency (real-time insights)
+ Traceability
+ Land management
+ Sustainability (reducing carbon emissions)

On-Farm

Weighing and farm efficiency — Feed analysis

+ Milk production and protein %
+ Quality
+ Efficiency (less feed refusal + DM intake + traceability)
+ Herd health
+ Sustainability (reducing feed costs)
+ Improving Income Over Feed Cost

Product Portfolio

Leading technology for smart agriculture, precision feeding and on-board applications

DINAMICA GENERALE S.p.A.
Via Mondadori, 15
46025 Poggio Rusco MN - ITALY

dinamicagenerale.com

Zeltex, LLC.
130 Western Maryland Parkway
Hagerstown, MD 21740 USA

zeltex.com

dinamica generale®
Electronic Solutions & Sensors

zeltex
a dinamica generale company

f dinamicagenerale   @dinamicagen   YouTube dinamica generale

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Who We Are

Dinamica Generale is among the key players in the field of weighing systems, electronic solutions, NIR sensors and cloud software for the **Feed & Food** industries, **Agriculture, Industrial, On-board** applications, **Medical & Healthcare**.

Zeltex is a pioneer in the devolpment, production and sales of portable NIR analyzers for **fuel, gasoline, ethanol blended fuels, feed and food** since 1992.

By embracing Zeltex as part of the group, Dinamica Generale created an industry-changing company to deliver new and exciting solutions for customers worldwide and deploy innovations and technology that serve a rapidly changing world.

Dinamica Generale Headquarters
- Automatic Warehouse
- NIR Technology Department
- Lean Production
- Quality & Testing Facilities
- Headquarters Offices

Zeltex Facility
- Portable NIR Production Department
- Offices

Where to Find Us

Dinamica Digital
Belarus

Dinamica Generale
CIS

Dinamica Generale
USA

Zeltex
USA

Dinamica Generale
Italy

Dinamica Generale
China

Dinamica Generale
India

As we began to expand and develop our distribution channel, we were also expanding our footprint into new global markets. We provide our solutions in more than 60 countries worldwide offering customers' professional advice, valuable products and aftersales support thanks to a comprehensive network of service partners. Along with our corporate headquarter located in Italy, we can count on a new production site in the US as well as global offices in Ukraine, China and India.

2 manufacturing plants

130 employees

60+ Countries sales coverage

dinamica generale®
Electronic Solutions & Sensors

Systems & Applications

On-Farm

Trailed feed mixer
- Weight Indicator: DG8000-IC
- NIR Analyzer: Evo NIR
- Remote Control: Dina TEL 3 App
- Data Exchange: 3G Modem
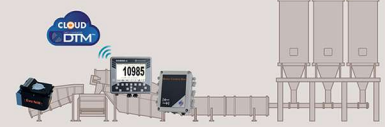- Feeding Management: DTM IC Cloud Software

Weighing +NIR analysis

Self-propelled feed mixer
- Weight Indicator: DG8000-IC
- NIR Analyzer: Evo NIR
- Remote Display: EXTRA Display
- Data Exchange: 3G Modem
- Feeding Management: DTM IC Cloud Software
- Quality mixing control: VISIOMIX

Weighing+NIR analysis +TMR quality control
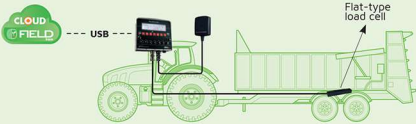
myFeed360

Automated feeding plant
- Weight Indicator: DG8000-IC
- Automation: Motor Control Box
- NIR Analyzer: Evo NIR

Weighing+Automation +NIR analysis

In Field

MANURE AND SLURRY PROCESSING TECHNOLOGY

Flat-type load cell

Manure spreader

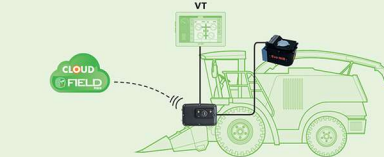|	System configurations	Value for customer	Data exchange	Connectivity
SYSTEM 1	• Load cells • Sensor Logic • DG400ECU	• Weighing of loaded manure • Real-time visualization of remaining load		
SYSTEM 2	• Load cells • GEOspreader basic • Field trace software	• Real-time visualization of manure distribution (kg / ha or t / ha). • Mapping the quantity of manure distributed through Field trace software	USB	
SYSTEM 3	• Load cells • GEOspreader superior • Field trace software	• Automatic manure distribution to keep constant the spreading ratio (kg / ha or t / ha) • Mapping the quantity of manure distributed through Field trace software	USB	

DINAMICA GENERALE S.P.A. EVO NIR ON LINE NIR ANALYZER
✓ Inhaltsstoffe in Schweinegülle: N_gesamt
DLG-Prüfbericht 7057

Slurry tanker

	System configurations	Value for customer	Data exchange	Connectivity
SYSTEM 1	• EvoNIR Sensor • EvoNIR Docking Station • VT or NIR On Board Display (option) • Field trace software	• Real time analysis of nutrient concentration (%) • Quality mapping in the Field trace software	• 3G/4G modem for execution data • USB key for slurry quality mapping	ISOBUS J1939
SYSTEM 2	• EvoNIR sensor • Kali Connection hub • VT and/or Field track app (option) • Field trace software	• Real time analysis • Real time nutrient concentration mapping in Field track app • Reports available in the Field track mobile app	• 3G/4G Modem	ISOBUS J1939
	Beta testing configurations			

FORAGE HARVEST PROCESS MANAGEMENT

Forage harvester

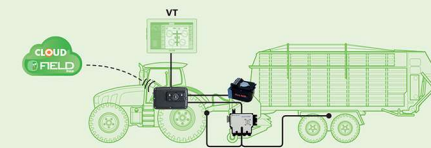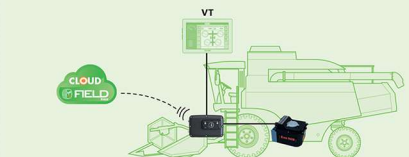|	System configurations	Value for customer	Data exchange	Connectivity
SYSTEM 1	• EvoNIR Sensor • EvoNIR Docking Station • VT or NIR On Board Display (option) • Field trace software	• Real time analysis of nutrient concentration • Quality mapping in the Field trace software	• 3G/4G modem for execution data • USB key for crop quality mapping	ISOBUS J1939
SYSTEM 2	• EvoNIR sensor • Kali Connection hub • VT and/or Field track app (option) • Field trace software	• Real time ingredient analysis • Real time nutrient concentration mapping on Field track app • Reports available in the Field track mobile app	• 3G/4G modem	ISOBUS J1939
	Beta testing configurations			

Forage wagon

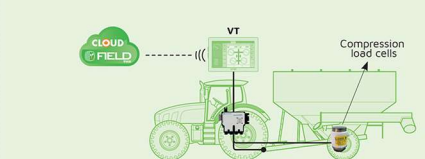|	System configurations	Value for customer	Data exchange	Connectivity
	WEIGHING			
SYSTEM 1	• Load cells • Sensor Logic • VT or DG400 ECU (option)	• Total weight loaded into the forage wagon		ISOBUS J1939
SYSTEM 2	• Load cells • Sensor logic • Kali Connection hub • VT and/or Field track App (option) • Field trace software	• Real time mapping of weight in the field track app • Total weight loaded into the wagon • Reports available in the Field track mobile app	• 3G/4G Modem	ISOBUS J1939
	ANALYSIS + WEIGHING			
SYSTEM 3	• EvoNIR sensor • Load cells • Sensor logic • Kali Connection hub • VT and/or Field track app (option) • Field trace software	• Real time ingredient analysis • Real time nutrient concentration mapping in the Field track App • Real time total weight loaded into the wagon • Reports available in the Field track mobile app	• 3G/4G Modem	ISOBUS J1939
	Beta testing configurations			

- Load cells
- Inclinometer

Baler

System configuration	Value for customer	Data exchange	Connectivity
• EvoNIR sensor • EvoNIR Docking Station • Load cells • Sensor logic • Inclinometer • VT	• Real-time bale weighing* • Real time analysis of nutrient concentration		ISOBUS J1939

(*) For wrapped bales, only total weight is available
(1) VTs' do the task

GRAIN HARVEST PROCESS MANAGEMENT

Combine harvester

	System configurations	Value for customer	Data exchange	Connectivity
SYSTEM 1	• EvoNIR Sensor • EvoNIR Docking Station • VT or NIR On Board Display (option) • Field trace software	• Real time analysis of nutrient concentration • Quality mapping in the Field trace software	• 3G/4G modem for execution data • USB key for crop quality mapping	ISOBUS J1939
SYSTEM 2	• EvoNIR sensor • Kali Connection hub • VT and/or Field track app (option) • Field trace software	• Real time ingredient analysis • Real time nutrient concentration mapping in the Field track app • Reports available in the Field track mobile app	• 3G/4G modem	ISOBUS J1939
	Beta testing configurations			

Compression load cells

Grain cart

	System configurations	Value for customer	Data exchange	Connectivity
SYSTEM 1	• Load cells • Sensor Logic • VT or DG400 ECU (option)	• Total weight loaded into the grain cart		ISOBUS J1939
SYSTEM 2	• Load cells • Sensor logic • Kali Connection hub • VT and/or Field track App (option) • Field trace software	• Total weight loaded into each cart • Load position tracking • Reports available in the Field track mobile app	• 3G/4G Modem	ISOBUS J1939
	Beta testing configurations			

BLOCKCHAIN TRACEABILITY OF GRAIN

Field track App

Third-party FMIS Software

Kali Connection Hub

Grain cart	**Grain truck**	**Grain elevator**
Value for customer	Value for customer	Value for customer
Total weight loaded into the grain cart	Total weight loaded from grain carts into the grain truck	Total weight downloaded from grain trucks into grain elevators

On-Board

ON-BOARD PEGASUS 2 APPLICATION

Pressure transducer

Proximity sensor

Front loader

- In-cab Indicator: Pegasus2
- Sensors: Pressure transducers and proximity

Weighing & Automation

Weight indicators and wireless accessories

Accessories

On-Farm

Feeding Monitoring

WiNET Connector

DG400
Basic digital weight indicator
Working mode: total/partial and net/gross weight

WiNET Connector

DG500
Programmable weight indicator for small and medium farms
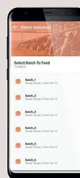FARMCHEF compatible

WiNET Connector

DG600
Programmable weight indicator for medium and large farms
- Visualization of Cyrillic and ideographic languages like Chinese and Japanese
- Wireless data transfer

FARMCHEF

Edit Programs
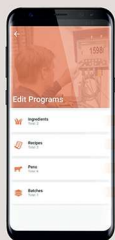
→ EDIT NEW **INGREDIENTS**
→ EDIT NEW **RECIPES**
→ EDIT NEW **GROUPS**
→ EDIT NEW **BATCHES**

BATCH SELECTION → RESUMING OF RECIPE TO BE LOADED → LOADING COMPONENTS (SET THE MIXING TIME FOR EACH COMPONENT) → RESUMING OF LOADING
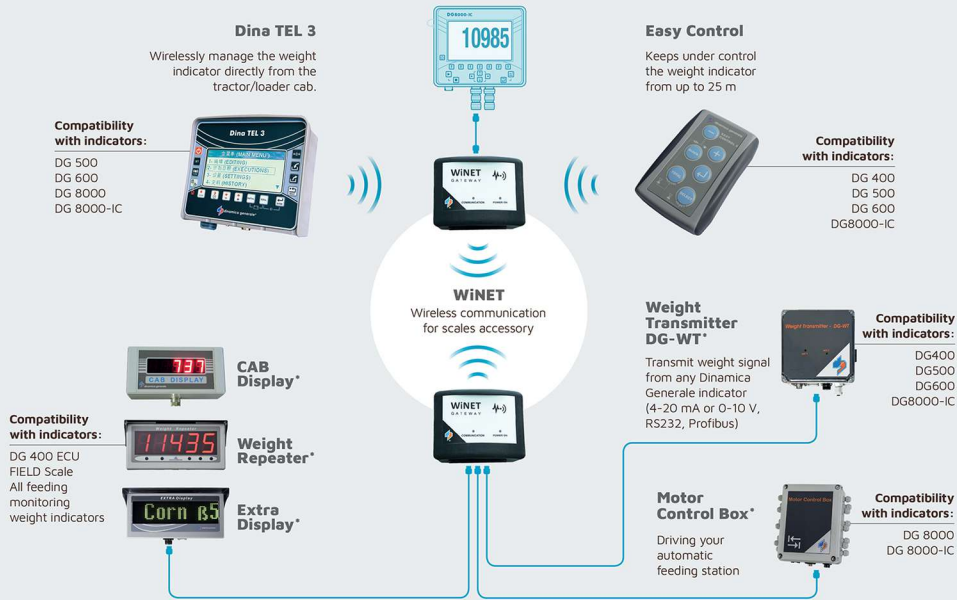

WiNET Connector

DG8000
Programmable weight indicator for contractors

WiNET Connector

DG8000-IC
Programmable weight indicator for structured and demanding farms
Compatible with NIR analyzer, VISIOMIX, Distribution Tracking, Motor Control Box

WiNET Wireless Connections

Dina TEL 3
Wirelessly manage the weight indicator directly from the tractor/loader cab.

Compatibility with indicators:
DG 500
DG 600
DG 8000
DG 8000-IC

Easy Control
Keeps under control the weight indicator from up to 25 m

Compatibility with indicators:
DG 400
DG 500
DG 600
DG8000-IC

WiNET
Wireless communication for scales accessory

CAB Display*

Compatibility with indicators:
DG 400 ECU
FIELD Scale
All feeding monitoring weight indicators

Weight Repeater*

Extra Display*

Weight Transmitter DG-WT*
Transmit weight signal from any Dinamica Generale indicator (4-20 mA or 0-10 V, RS232, Profibus)

Compatibility with indicators:
DG400
DG500
DG600
DG8000-IC

Motor Control Box*
Driving your automatic feeding station

Compatibility with indicators:
DG 8000
DG 8000-IC

*All accessories can be wired connected to the weight indicator

Field Operation Monitoring

WiNET Connector

DG400 ECU
Equipped with ISOBUS and CANJ1939 communication protocol as standard

Manure Spreader

GeoSpreader
Control the distribution of manure and solid fertilizers in accordance with planned spread factor, homogeneity and ground speed of the machine.

In Field

Accessories

Remote Control

Dina TEL 3 App

Compatibility with indicators:
DG 500
DG 600
DG 8000
DG 8000-IC

Brings the control of the weight indicator to your smartphone or tablet.

Hydraulic & Wireless Weighing

SMART Control

hydraulic control block

One-stop portable wireless solution for hydraulic and weighing functions
- Wired (Hydraulic function)
- Wireless (Weighing + Hydraulic functions)

Dina COM 2

hydraulic control block
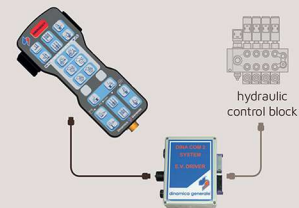
Handheld wired solution for controlling hydraulic functions

Distribution Tracking

TAG READER

Compatibility with indicators:
DG 8000-IC

Accurate control of feed distribution

Printer

Compatibility with indicators:
FIELD Scale
NIR On Board
DG 400
DG 400 ECU
DG 500
DG 600
DG 8000
DG 8000-IC

GPS

Compatibility with indicators:
FIELD Scale
NIR On Board
GEOspreader

Load Cells & Sensors

Mobile

Spindle

Pin

Flat

Compression

LOAD

Strain Gauge (Custom)

Strain Sensor with mounting brackets

Drawbar

TOP

Pressure Transducers

Shear Beam Unit

Shear Beam

Pin Unit

DIGITAL SIGNAL ON REQUEST

NIR, Optical & Imaging

Portable NIR Analyzers

more than **150** *calibrations available*

X-NIR

Handheld analyzer without sample preparation

AgriNIR

The highest possible accuracy performed on-site in real time

Zeltex analyzers

Portable analyzer for grain wheat, corn, soybeans, soy meal, oats, barley, milo and many more
Other versions available:
- Fuel Analyzer for Government Departments, laboratories, pipelines, research and terminal
- Food, meat and cheese analyzers

QUALITY UPGRADE PACK

Computer Vision

VISIOMIX

Measuring homogeneity and length of fibers in the feed mixer tank during the TMR mixing

QUALITY UPGRADE PACK

NIR Analyzers

NIR ON BOARD

Real time analysis of dry matter and nutrients on forage harvesters, combines, balers and forage wagons (aftermarket kit)

Evo NIR

J1939, ISOBUS, ISOXML

QUALITY UPGRADE PACK

Optical Analyzer

Tomato Selector

Detects and remove all types of foreign material from field run tomatoes.

Software, Networking & Connectivity

Mobile App   **Web App**   **In Cab**

10985

DTM CORE

- **DTM Advanced**: edit recipe by cow, feeding cost management
- **DTM Professional/ Contractor**: multi-farm access, compatible with third party herd management and milking software
- **DTM IC**: multi-ration management, IOFC control
- **DTM Farmchef**: multi-ration management, wireless data sharing with FARMCHEF app

DTM CORE
FIELD pro
NIR Evolution

NIR Evolution
- update calibrations to improve prediction accuracy
- keep the alignment between NIR analyzer and test lab

FIELD trace
- Analyze harvest data by field
- Real-time tracking of quality maps (via the Field track APP)
- Import/export CSV files
- Create reports and charts.

Data Management

Software agent and WiFi modem

Compatibility with indicators:

DG8000
DG8000-IC

3G/4G Modem

3G Modem

Compatibility with indicators:

DG600 - DG8000
DG8000-IC
NIR ON BOARD

GoCloud Wi-Fi Gateway

GoCLOUD

Compatibility with analyzers:

AgriNIR
X-NIR

IoT Gateways

Multiple Feed Mixers   **Harvesting, Spreading and Feeding machines**   **Portable NIR Analyzers**

Applications

8504   9245

DG400 ECU   **ISOBUS Terminal**   **FIELD scale**

SensorLOGIC

Offset and convert different input analog signals into a CAN protocol (J1939 e ISOBUS)

Flat   **Mobile**   **Strain sensors**   **Pressure transducers**