







## THIS IS RONIN

### Inventory Management Solutions

The ART Inventory Management System is the only system that is purposefully built for inventory management of silos, warehouses, partitioned bunker warehouses and dome silos. This solution is also used in mining to manage stockpiles and other special mining laydown areas. The ART System is being used on grain, sugar, fertilizers, coal and various metal ores. The ART System also facilitates third party geospatial pointclouds and auto extracts the key information that the client needs to be published in the ART Dashboard. Ronin also manufacture and supply the suitable Ex / ATEX laser scanners for the 1D, 2D and 3D solutions. ART is a Ronin System Solutions Propriety Product.



ART Artemis Aims

### Solutions in Grain Handling

Ronin System Solutions is an active roleplayer and technology provider to the Southern African grain handling and processing industries. By carefully selecting our International OEM partners Ronin provides Analytical instruments, Sampling Solutions and Temperature Monitoring Systems to mitigate risk and optimize quality. Ronin is proudly associated with the following brands.



### Solutions in Agriculture

Ronin System Solutions is the trusted technology provider to the South African farmer. By promoting "Start Smart", Ronin continuously evaluate and provide better, more cost effective precision farming systems. Ronin offers solutions for precision guidance, variable rate fertilizer control, spray-boom section control, auto steering, precision planting and monitoring, ISOBus systems, yield monitoring as well as quality integration parts and components like flowmeters, seed sensors, application rate sensors, liquid and hydraulic flow control valves and weather stations. Ronin is proudly associated with the following brands.



### Solutions in Construction

Ronin Inventory Management Systems (IMS) is a wholly owned subsidiary of Ronin System Solutions with a focus towards the mining, construction and port industries. As with our Agriculture solutions, Ronin IMS brings machine control and optimization technology to construction vehicles. These solutions include onboard weighing systems for wheel loaders, fork lifts and others as well as bucket, boom and blade control systems for Excavators, Graders, Dozers, Pavers and Drills making these construction vehicles geospatial precision sculpting tools optimizing project, design precision and costs. Ronin is proudly associated with the following brands.



### Portside Solutions

Ronin Inventory Management Solutions provides portside services and inventory management solutions. Services include tally and cargo supervision to and from stockpile as well as to and from ships and transport trucks. Ronin IMS conduct scheduled volumetric 3D laser and photogrammetry audits and validate densities as well as overall stock housekeeping. Ronin conduct these services for cargo owners, mines, shipping agents, collateral managers as well as the port authorities. Ronin is proudly associated with the following brands.



Aims

### Solutions in Mining

Ronin Inventory Management Solutions provides systems and solutions tailored towards efficient mining operations. The systems and solutions is aimed at validating bulk volume movements between different parts of the mine as well as the strategic stockpile inventory management systems. Volume measurements are done on the conveyor belt, moving trucks as well as stockpiles. Ronin IMS also provide the ART Dashboard to clients to consolidate other geospatial data, as generated by the mining surveyor or UAV surveyor, to have a wholistic inventory overview and awareness. Ronin is proudly associated with the following brands.



ART Artemis Aims

# Ronin®

**Ronin design, develop and manufacture Bulk Inventory and risk management solutions for the hard and soft bulk handling industries. We provide these solutions in Southern Africa and into selected market places around the world through our appointed distribution network.**

Ronin System Solutions is the manufacturing, and development hub within the group and have the focus to take the Ronin Proprietary product basket to the international arena while still maintaining a focus on local Southern African grain handling and processing industries. We bring international best practice and instrumentation for determining and managing grain quality to Southern Africa. These solutions include analytical instruments, sampling solutions, storage condition monitoring and facility security. Our involvement with the soft commodity industry became full circle when we reached out into the world of precision farming solutions. Ronin System Solutions supply world leading technology for planting, fertilization, spraying and satellite guided steering systems. All of these systems are brand agnostic and offer best value from entry level systems to the most involved ones.

Ronin Inventory Management Systems (IMS), a full subsidiary of Ronin System Solutions, is taking the Ronin Inventory Management Solutions into the Mining, Industrial and Port business areas. Our solutions include laser and photogrammetry profiling services and systems to validate stock positions of stockpiles, dome silo's, flat warehouses and port laydown areas. Commodities include bulk mineral and metal ores, fertilizers, sugar and others. Ronin IMS also have a machine control product basket for the optimization of mining and construction vehicles. These include onboard weighing solutions for wheel loaders as well as precision control systems for excavator, motor graders, dozers, drilling machines and others.

Ronin's Head Office are in Johannesburg, where we maintain a 1000m<sup>2</sup> facility inclusive of Machine shop and Laboratory, additionally we maintain offices in Richards Bay and Durban. Jointly the group represents 11 International Instrument Manufacturers. One of our business principles is that if we represent a product commercially we have to represent that product technically as well.

Therefore any product that is supplied by us, will be installed, serviced, calibrated and or repaired by or under the supervision of an OEM factory trained technician, using tools and or parts sourced from or manufactured by the Original Equipment Manufacturer (OEM) in accordance with the workshop manuals and procedures as supplied and required by the OEM.

We maintain a mechanical, electronic and software design and manufacture capability so that we can produce proprietary products to satisfy specific market requirements.

#### Ronin Group Enterprizes

**Ronin**  
System Solutions

Ronin System Solutions  
Est.2002  
Johannesburg

**Ronin**  
Inventory Management Systems

Ronin Inventory Management Systems  
Est.2009  
Richards Bay  
Durban

**Ronin**  
Latin America

Ronin Latin America  
Est.2012  
Uruguay



#### Ronin Credentials

- Level 7 BEE
- Members of PSIRA | GOSA | CSTA | EAGC
- Involved with: AFMA | SASA | DMR | AGBIZ
- ISO 9001:2015 certified
- ATEX | IECEx | SANS | EX Certified Products
- Geospatial Software Development Team

#### Ronin Clients





# Ronin<sup>®</sup> ART<sup>®</sup>

## International Distribution Partners



**CIMBRIA Unigrain**  
Thisted  
Denmark | Eastern & Western Europe | Egypt



Silos



**Group C+ Tecnologia**  
Sao Paulo  
Brazil | Chile | Peru



Warehouses



**AGROPROM  
ENGINEERING**

**Agroprom Engineering**  
Voronezh  
Russia



Stockpiles



**metrongroup**

Serbia | Yugoslavia | Macedonia | Hungary | Czech Republic

**Metron Group**  
Novi Sad



Dome Silos



**Alvan Blanch**  
Crudwell  
United Kingdom | North Africa



Security



**Perry of Oakley Engineering**  
Dunkeswell  
United Kingdom | Russia | North & Central Africa



## Contact Ronin

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