



EVOLUTION



WELCOME

Welcome to the latest edition of the RDS EVOLUTION. RDS designs and manufactures electronic controls and monitors for the off road mobile machinery industry. Such applications include: spreaders / drills / sprayers / combines / self propelled machines / road maintenance machines / all types of hydraulic loading machines

etc etc. The list gets longer all the time. As well as supplying a wide range of standard products through distributors, machinery manufacturers are always welcome to discuss their particular requirements with the company.

RDS France strengthens position in support of increasing sales success

RDS centralises distributor sales and service in USA

Recent OEM developments with Hardi and Trackmobile

RDS Loadmasters chosen for Goldmining operation inside the harsh Arctic circle environment

RDS weighing products gain formal approval in Russia

RDS Supplies the Electronics to Award Winning Companies

At the prestigious international exhibition, SIMA, two major machinery manufacturers gained awards for products using RDS electronics.



Sulky Burel: SILVER MEDAL Electronic Control Box for Trailed Spreader

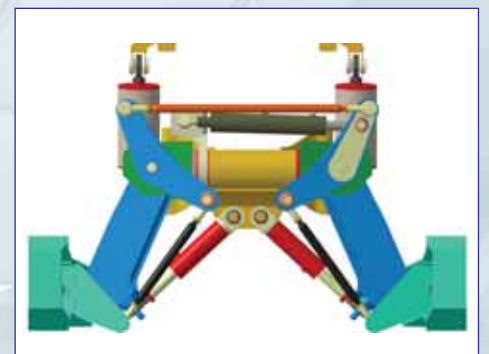
The AXION controller is used on high capacity granular fertilizer spreaders with full width booms, where the material is distributed along the boom by means of augers. The novel feature is the programmable function to automate the operation of the spreader, and to make

easy adjustments to the spreading rate. Installed in the cabin, the instrument enables remote operation of the hydraulic functions, control of rate, evenness of lateral distribution, as well as automating some of these functions at the end of the field.



Hardi – Evrard: SILVER MEDAL Hydraulic Variable Width Track for Self Propelled Sprayer

The instrument "Varitrack" enables continuously variable track width adjustment on self propelled sprayers or other agricultural machines. The width adjustment is automatic from the vehicle cab, and maintains the wheels parallel, with the correct steering geometry during the adjustment to track width. To satisfy safety regulations, there is a permanent mechanical connection between the wheels on each axle.



RDS Strengthens Position in France

In support of increasing sales, RDS Technology has now centred the operations of RDS France at Vert Electronics in Meteren (59). Vert has been a main distributor for RDS for over 11 years. Vert are based in modern, purpose built premises at Meteren and have a

strong team led by Damien Fossaert, Sales Manager, pictured. RDS France is the central address for marketing activities, distributor sales and technical enquiries.



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RDS Centralises Distributor Sales and Service in USA

Since its creation, Loup Electronics has been a key distributor for RDS in the USA and are geographically well located in Lincoln Nebraska. They have majored on RDS combine yield measurement, sprayer, spreader and drill electronics, and the wide range of RDS on-board weighing systems for the construction and agricultural sectors.

Loup was formed in 1998 by Darrell Farmer, pictured. Darrell has been actively involved in agricultural and construction equipment electronics since 1977 and is an active member of the staff at Loup Electronics. Coming from a service background Darrell, certainly knows the meaning of the word; Loups theme being to provide their

customers with the best possible customer service in the industry.

Proof of the success of Loups customer service based strategy is being shown in the results. Over recent years, there has been year on year doubling of RDS product sales through Loup.

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RECENT OEM DEVELOPMENTS

Hardi - Evrard Selects RDS to develop all new Sprayer Control System.

Giant French sprayer manufacture, Evrard, part of the Hardi Group, selected RDS to develop and manufacture their latest control system, Regulator 5. RDS has been producing automatic sprayer control systems since 1980 and

Regulator 5 is an evolution of their Apollo Controller.

RDS Engineering Director, Peter Nelson says 'This is undoubtedly the most sophisticated sprayer controller that my team has ever developed.

The main challenge was to provide all the required functionality, whilst keeping the operation simple'.

The RDS development team worked closely with Evrard's own engineers to optimise the functionality and rapid

control response of the system. Some of the features in Regulator 5 are:

- 'Checklist' at start of job to ensure optimum nozzle selection and sprayer setup.
- Comprehensive but clear displays of all relevant information on a high contrast black on white display.
- Full integration of normal and 'semi continuous' flow configurations.
- Automatic boom lift on headlands.
- Comprehensive self diagnostics to check all inputs and outputs
- Precision farming compatibility, with data download facility for traceability requirements



Trackmobile Inc, Georgia, USA has chosen RDS to provide instrumentation systems for their mobile railcar movers.

With the introduction of Cummins QSB electronic engines, Trackmobile wanted a system that would take advantage of the CANbus signals from the engine whilst still interfacing with traditional sensing technology on the rest of the vehicle. A custom version of the RDS 'Wizard' series hardware was proposed for its simplicity, readability and cost-effectiveness.

Ralph Przybyszewski, Senior Project Engineer with Trackmobile says of the RDS system, 'We wanted a solution, which would interface seamlessly with the CANbus system on the QSB engine. RDS was able to provide this facility, displaying all the J1939 fault codes and picking off other information such as engine speed, engine coolant and oil temperatures. Where RDS has an advantage is in their ability to interface with traditional ancillary sensors on the vehicle for measuring speed, fuel level, transmission oil temperature etc – signals that were not available on the CANbus. Not only could they interface with these sensors, but they were prepared to customise both software and hardware to ensure compatibility with existing sensors. This was a huge advantage to us as we



could keep the sensors currently in use, reducing stock holding issues. The minimisation of changes to the vehicle also reduced our engineering costs and shortened our time to market,' he concluded.

Trackmobile railcar movers are in operation in 53 countries around the world in a wide variety of applications. Notably, they used for moving the Lockheed Martin Atlas V space-rocket to the launching site at Cape Canaveral, Florida.



Spotlight on.....FINLAND

The RDS Loadmaster is the choice of many of the biggest plant operators in Finland. Finland has some of the most extreme temperatures and some of the most rugged plant in the world. Customers know that they must work and be able to rely on receiving first class service. Tampereen Vaakatekniikka Oy, the RDS distributor for Finland, run by Seppo Anttonen, has made it their business to provide unrivalled service and support to customers, no matter where they may be in the country.

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Toro: This machine works in northern Finland, 200 km inside the Arctic circle. The machine works underground in a gold mine and was installed in 2004. The customer is so happy with the Loadmaster 8000 that he has ordered a further two systems this year.



Volvo: This machine is used for peat loading and is fitted with a Loadmaster 8000.

Other Notable Events

RDS Weighing Products Gain Formal Approval in Russia. Working closely with the company's distributor in Russia, RDS has now gained approval for the whole range of weighing products, including the top of the range Loadmaster 9000. This approval is mandatory for the sale of this type of product into Russia. RDS had to work hard with their distributor throughout last year to gain the approval. Approval involved a full audit of RDS's facilities in the UK by the head of the Russian approval authority.

35 Years. RDS has recently celebrated 35 years supplying high quality products to the mobile machinery industry.

New Groundcare Brochure Launched. RDS has recently introduced a full range of products for the groundcare industry, applications include: automatic sprayer controllers, weighing systems, work measurement etc. Contact RDS for brochure and details of your local specialist distributor.



Exhibitions. This is a big year for exhibitions. See the RDS website to see when there is one near you. www.rdstec.com.

RDS Football. RDS has an active football team which has won the local league three years in succession. The team is always looking for 'friendlies'. Contact b.morris@rdstec.com



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