echsolutions
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SmartWeigh

Weighbridge Automation

Product Overview

Techsolutions is the leading supplier of RFID vehicle identification systems. The first system was supplied in 2007 to SANRAL for use at the Bapong Overload Control Centre on the N4 highway, just outside Rustenburg. Since then, a number of systems have been supplied to clients in South Africa and in the SADC region.

Features and Benefits

- Automatic identification of vehicles and trailers on the weighbridge using RFID. This eliminates errors and speeds up the process. RFID accuracy is much higher than ANPR.
- Registering vehicles on the system by scanning the license disks of vehicles using a handheld scanner. This speeds up the process and eliminating errors
- Linking additional data to the weigh record such as Delivery Note Number, Driver Details, and seal numbers using a handheld scanner. This substantially improves security when goods are released
- Barcode/RFID scanning of driver license, part numbers, pallet/crate numbers. By electronically scanning these items, they are tracked and linked to the transaction record.

Interfacing to Local Weighbridge software

The architecture allows for the vehicle identification information to be sent to the weighbridgesoftware.

Interfacing to eFreight.co.za

For clients requiring end to end monitoring of freight and haulage between multiple sites, Techsolutions provide the eFreight Cloud Based solution – www.efreight.co.za. Our RFID scanners can be fitted with GPRS/3G modems or utilise on site Internet connections. This allows the transaction data to be automatically sent to the eFreight platform allowing all parties in the transaction to share the transaction data in real time.

RFID Equipment

The RFID scanners are designed and manufactured in South Africa by Techsolutions for the South African environment and have been type approved by ICASA.

Other Vehicle Applications

Techsolutions' RFID scanners are also used for vehicle access control of booms and gates as well as road toll applications.

Vuna Historical Weighbridge Data

Data for selected day

2010-10-21

Data Date	Weighbridge Date	TicketNo	Haulier	Reg No.	Empty (kg)	Gross (kg)	Nett (kg)
21 Oct 2010	21 Oct 2010 23:51:04	145444	JJH	DNZ505MP	23 420	55 940	32 520
21 Oct 2010	21 Oct 2010 23:39:07	145443	JJH	DGN699MP	24 100	53 180	29 080
21 Oct 2010	21 Oct 2010 23:32:34	145442	JJH	DRR923MP	20 560	48 640	28 080
21 Oct 2010	21 Oct 2010 23:25:37	145441	JJH	BPN570L	23 040	57 120	34 080
21 Oct 2010	21 Oct 2010 23:22:12	145440	JJH	CBL226L	19 200	47 260	28 060
21 Oct 2010	21 Oct 2010 23:20:35	145439	JJH	DZV057MP	20 260	50 940	30 680
21 Oct 2010	21 Oct 2010 23:06:12	145438	JJH	ZJL949GP	21 300	56 460	35 160
21 Oct 2010	21 Oct 2010 23:04:38	145437	JJH	DRC675MP	20 900	48 920	28 020
21 Oct 2010	21 Oct 2010 22:59:16	145436	JJH	DXF935MP	20 840	50 200	29 360
21 Oct 2010	21 Oct 2010 22:57:43	145435	JJH	ZJL951GP	21 600	55 100	33 500
21 Oct 2010	21 Oct 2010 22:55:51	145434	JJH	FHZ989MP	21 460	56 560	35 100
21 Oct 2010	21 Oct 2010 22:52:22	145433	JJH	DPR470MP	20 040	50 220	30 180
21 Oct 2010	21 Oct 2010 22:48:06	145432	JJH	WGJ104GP	19 240	47 640	28 400
21 Oct 2010	21 Oct 2010 22:04:42	145431	JJH	ZTB395GP	21 560	57 420	35 860
21 Oct 2010	21 Oct 2010 21:59:41	145430	JJH	NJ47616	19 900	52 280	32 380
21 Oct 2010	21 Oct 2010 21:56:58	145429	JJH	FLF365EC	22 540	56 160	33 620
21 Oct 2010	21 Oct 2010 21:55:35	145428	JJH	MVW905GP	15 920	44 800	28 880
21 Oct 2010	21 Oct 2010 21:54:07	145427	JJH	PFR449GP	15 740	40 200	24 460
21 Oct 2010	21 Oct 2010 21:50:06	145426	JJH	FGZ288EC	19 780	49 820	30 040
21 Oct 2010	21 Oct 2010 21:48:40	145425	JJH	KRD315GP	16 280	41 200	24 920
21 Oct 2010	21 Oct 2010 21:45:15	145424	JJH	DLV904MP	20 820	52 480	31 660

Totals (from 0h00 for the selected day)

Haulier	Trips	Nett (kg)
JJH	193	5 761 600
Total	**193**	**5 761 600**

Historical Data

Reporting

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Further Information:
 www.techsolutions.co.za/rfid-weigh-bridge-automation
 Contact: sales@techsolutions.co.za