

Outstanding

Splendid applications in dirty places

JLT Mobile releases JLT 12042, a new rugged compact computer which can be placed almost anywhere. This "all in one" PC is usable also when the sun shines, built by industrial components in a CPU heat sinker aluminium casing. Standard PC architecture facilitates use of IT in places where it in the past never has been possible or economically defendable to introduce advanced computer support.

ATC, MORE PORTS AND MORE POWER

JLT 12042 can be equipped with CPU alternatives from 0,4 to 1,8 GHz – in Q2 also Dual Core Processors will be available. By use of Active Thermo Control (ATC), heat problems are eliminated.

Additional interfaces in the new 12" PC offers are loudspeakers, 4 com ports and built in Bluetooth whereby facilitating connection of more units and multimedia applications. Vehicle drivers are expected to keep their eyes on the road – not to look at the computer screen. When driving, the dialogue with the driver can use sound instead of text. Powerful CPU:s facilitates use of speech synthesis applications.

DISPLAY FOR SUNNY DAYS AND ARCTIC NIGHTS

JLT Mobile releases a new rugged 12,1" display with excellent readability also in bright sunshine. Luminance is 1000 Nit (candela/m²), contrast is 200:1 and the resolution is 800 x 600 pixels. A resistive touch screen with five or eight wires is optional. The display element is transmissive which means that the pixels are illumi-



nated from behind the monitor's screen (opposite of the user). Transmissive LCDs offers high contrast and deep colours. Generous viewing angles make the unit most suitable for vehicles and other places where it is impossible to sit in an optimal position in front of the display. Estimated lifetime inclusive backlight for the new display is 50000 hours.

Long life in vehicles during many years

Like other JLT products, the new products are rugged, uses only industrial classed components and a lot of measures have been done to make them durable in dusty, dirty and moisture environments. "EMC-sealing" means that no emission is radiated and emission from other

products it will not be harmful. They are compliant with all relevant industrial standards and EU directives.

On www.jltmobile.com we tell about more product features.

No more misdriving for Origo:s trucks

Origo means in latin crossing point - a splendid name for a modern transport and logistics company. Origo is a truck centre company owned by some 100 haulage contractors in west Sweden. Large customers for Origo are the Swedish Farmers Supply and Crop Marketing Association and Swedish Forage which means that many trucks transports fertilizers, forage and all sorts of goods to farmers, horse estates and agriculture shops within an area of a >300 km circle. During the harvesting season, they also fetches corn from the farmers for transport to silos, an increasing demand as centralization of silos has made tractor transports too long.

ADVANCED INTEGRATION

The challenges for Origo have been to create a dispatching and route optimizing system which really fits the requirements. Many addresses for unloading require advanced positioning. An own map engine is a significant part of the system. Primary task is to send driving orders via internet to the trucks together with coordinates for unloading addresses. The system takes care of route optimization and efficient use of each truck's cargo capacity. Some transport tasks require a

crane or a forklift – the system selects a truck with relevant equipment. Standard systems have been found to not be good enough for the type of transports which are Origo's core business. Instead a mix of software from IBS, Route Logix and customer specific solutions has been integrated.

MANY BENEFITS – USER FRIENDLY

When misdriving can be eliminated, fuel is saved and income increases as more useful transport work is made.. Improved transport quality makes Origo more competitive when selling transport commissions. Reporting from drivers is made promptly and more accurate which improves invoicing quality. Also use of MSN instant messaging instead of mobile phones for communication between drivers and transport leaders has shown to be advantageous. Availability of email in the trucks is also most appreciated by the drivers.

Using a 12 inch screen and 4 cm² touch screen keys has made the JLT computers popular also among senior drivers. Tests of handheld computer was made during the development phase but shown to be inferior for Origo drivers.

ORIGO Transport & Logistik AB has developed an advanced transport and navigation system which will use JLT computers. In phase one, 35 trucks will be computerised with larges screens. - in total 200 trucks will use the new system.



PC:s in trucks assists in beating CO²

IT plays an important role in optimization of transportation. And never before has the reasons to use IT in transport work been so strong and objection free. Rising fuel costs and new taxes to regulate greenhouse gases will make transports more expensive. But environmental competence, and the use of IT to this end, is not only socially responsible behaviour, it is good business. First, because of public concern about environmental issues, promoting environmental care can enhance a company's and an industry's image.

In this issue of Outstanding, we can tell about three CO² reducing applications which have been developed by JLT customers. Origo truck drivers will by applications in a high performance JLT PC save fuel and time. A vehicle PC-based system from Swedish Weight Technology motivates people to reduce their production of

garbage. CNS Systems high tech solution helps airliners to save fuel and time combined with improved utilisation of airport capacity.

Minimizing energy intensity and environmental impacts from motorised transport is extremely important as about 25% of all greenhouse gas accounts from such emissions. JLT Mobile is proud to be able to contribute to more efficient and less environmental harmful transports by making it easier to use IT in trucks and other vehicles.

*Jan Olofsson, President and CEO
JLT Mobile Computers*



JLT:s Environment policy in short

JLT Mobile believes that a healthy environment is necessary for the well-being of society, our people and our business and is the foundation for a sustainable and strong economy. Our objectives are:

- Provide a safe and healthy workplace and have appropriate safety and emergency equipment
- Be an environmentally responsible neighbour in the communities where we operate
- Conserve natural resources by reusing and recycling materials
- Develop, manufacture, and market products that are safe and efficient in their use of energy
- Use development and manufacturing processes that do not adversely affect the environment
- Ensure the responsible use of energy
- Meet or exceed all applicable government requirements
- Strive to continually improve JLT Mobile's Environmental management system and performance



Green approaches to airports by ADS-B

CNS Systems delivers a new generation of air traffic control to the Swedish Civil Aviation Authority. JLT computers are used in airport ground vehicles.

All vehicles on the runways at Arlanda airport will by the new system automatically send periodic reports with information about their identity, 3-dimensional position, velocity, intent and other pertinent data. Messages also include parameters required for the data link synchronization and slot allocation. In simpler words, every unit can broadcast all information about own position and intentions and at the same time listen to all other units doing the same and still remember every piece of information while continuously chatting.

ADS-B Networks supports surveillance, navigation, communication and real-time transfer of data in a way that all drivers not only to know their own location, they also see other vehicles positions on a map in a computer display. ADS-B uses STDMA (Self-organizing Time Division Multiple Access), an ICAO standard for

data communications via radio invented and patented by the Swedish genius Håkan Lans.

ENVIRONMENTAL AND MONETARY SAVINGS

The Swedish Civil Aviation Authority is investing in a new countrywide ground network for more efficient air traffic guidance. Benefits will be savings for the airlines, less delays and less fuel consumption which will also be beneficial for the environment. A new principle for landing, "green approaches", saves 250 litre fuel while landing an average airplane.

More air traffic also creates crowding on runways and on the ground transport area. Computers and GPS transponders in the vehicles for the ADS-B application makes it possible to optimise the traffic whereby releasing space and improve airport security. A ground network for ADS-B is also significantly more cost efficient than traditional radar based surveillance systems.

Rugged reduces risks

Requirements that are set on computers in connexion with certification from authorities have a clear aim: To decrease the risk for loss of lives and property in defence activities, medicine, transport, oil-, gas - and process industry.

To develop and to produce such equipment is a complex and demanding work as tough

environments and high requirements on operation security must be met. Extreme temperatures, vibrations, shocks, dust and salt mist makes most computers useless. Rugged PC:s built by just industrial components and methods reduces your risk for monetary and human losses.

Swedish Weight Technology uses JLT PC:s in systems for weighing the content in dustbins. The system uses high definition scales combined with bin identification based on RFID technology connected to JLT computers in garbage trucks.



Garbage mountain reduction by IT

The optimal way to get people to reduce their production of garbage is having them pay for it. By doing so, both the nature and people are winners. Swedish Weight Technology's collection system makes it possible for communities to charge the citizens in proportion to the garbage weight they put into their dustbins. When a fair invoicing can be made, people are more eager to reduce their garbage amount and to recycle more refuse.

EASY START – EASY DRIVING

After morning login in, the driver doesn't need to do anything more to make the system work. The on board computerised collection system is loaded with the driving route of the day. The system shows the driver where to drive and the addresses of the bins. When a

waste bin is being emptied, the identification system identifies the bin and the scale will report the actual net weight of the container on the corresponding address in the computer. Weighting is made "on the fly" which reduces total cycle time.

EASY ADMINISTRATION – EASY PLANNING

At the end of the day the information is transferred to an administrative office program for further processing. At the same time the run sheet for the next day is transferred out to the truck. This also means that rookie drivers have no problems to follow the planned route. Positive effects on waste prevention and minimisation are expected when householders, business and industry reduce waste costs by reducing their waste volumes.

Short 2006 report for JLT Mobile

Orders received amounted to 119 MSEK, an increase by 20 % in normal business as no new big deals was achieved during 2006.

Turnover 116,3 MSEK, gross margin 10,5 % and result 8,2 MSEK.

The board estimates a stable growth in 2007 due to investments in new markets and new products.

New JLT sales partner in France – PC Engineering

PC Engineering manufactures a complete range of monitors and industrial calculators intended for specific applications and harsh environments. The main added value of PC Engineering are custom design of Industrial PC Chassis and Industrial Monitors, and custom integration.

Adding JLT products to the product portfolio will create a lot of additional business activities in France. The JLT products enlarge PC Engineering product range in embedded applications and for very rugged requirements. As PC Engineering has a department of highly skilled engineers available, customers for rugged computers will get excellent service and support and also be assisted in their integration work. It is the reason why JLT chose PC Engineering as preferred partner in France, responsible to develop a reseller network and to insure local maintenance and logistic.



PC Engineering (www.pc-e.fr), established since 1985, is located in the "SILICON VALLEY" of France, the area of COURTABOEUF, 35 km West South of Paris.



One of the first major contract of PC Engineering with the JLT products is OMICRON which selected the JLT-8403 Tablet PC to drive its measurement and control systems. Since more than 15 years, Omicron is the specialist for high precision measurement and control systems for aerospace and defense, automotive and medical industries.

The control system on the picture facilitates measurements on aircrafts. The application is developed with LabView 8.2. and marketed worldwide.

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