



seeingmachines

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SEEING MACHINES (“the Company”)

DSS WINS BUSINESS WITH TOLL MINING SERVICES

Seeing Machines Limited (AIM:SEE), a leading developer of advanced vision based industrial systems, announces a new contract for Driver State System (DSS) with Toll Mining Services in Australia.

Toll Mining Services is part of Toll Group the Asian region’s leading provider of integrated logistics solutions. Toll has contracted Seeing Machines to implement its DSS across its road-going mining trucks at the CapCoal German Creek mine in the Bowen Basin, Queensland. This is the first deployment for the Toll Group.

The DSS is an active system that non-intrusively directly monitors the driver of a vehicle for distraction and fatigue events and provides a series of interventions aimed at managing these events and averting potential operator caused accidents. The in-truck system is wirelessly coupled to Seeing Machines DSSi, a real-time data transmission and analysis service that provides timely information to fleet dispatchers who can intervene and manage their drivers and vehicles effectively.

Ken Kroeger, CEO of Seeing Machines commented: “This contract is important as it represents a transitional step from mining’s off-highway haul trucks to road-going haul vehicles as Seeing Machines sees a huge opportunity in selling the DSS to the broader on highway trucking fleets. DSS is quickly earning a reputation for reducing driver distraction and drowsiness events and as result is leading to discussions with most of the global mining players that take mine safety seriously. Coupled with DSSi, we can offer our customers a service that allows them to take full advantage of our fatigue management expertise while providing Seeing Machines with ongoing service based revenues.”

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--- Information for Editors ---

About Seeing Machines Limited

Seeing Machines is a leading developer of advanced vision based industrial systems, specializing in automotive, medical, entertainment and research applications. More information is available from our web site: www.seeingmachines.com.

About the DSS

The DSS is an active system that non-intrusively directly monitors the driver of a vehicle for distraction and fatigue events and provides a series of interventions aimed at managing these events and averting potential operator caused accidents. The DSS Suite integrates three layers of risk mitigation:

1. instant in-cab feedback to the driver from the **DSS-IVS** (in vehicle system);
2. real-time alerts to fleet dispatchers via the **DSS-Link** or **DSS-Relay** products; and
3. management reporting, driver feedback & training, utilizing the **DSSi** product.

The **DSS-IVS** sensors monitor the driver's head motion & eye closure. When the driver's eyes have not been focussed on the roadway ahead for a period, either because the driver is looking elsewhere (a distraction event), or because they are closed (for example during a microsleep event), then the DSS-IVS detects this event and generates instant alarms, such as:

- Audio alerts, and
- Seat vibration tactile feedback.

These instant alerts rouse the driver and help them regain focus on the roadway ahead and re-establish safe operation of the vehicle.

The DSS product suite includes options to link the alerts with dispatchers and controllers located in central control rooms using an organization's existing communications infrastructure. **DSS-Link** or **DSS-Relay** allows the DSS-IVS alerts to be instantly forwarded to the dispatcher/controller in the central control room, allowing them to make appropriate interventions based on the Fatigue Management Plan (FMP) relevant to the specific organisation. Such real-time interventions can include:

- Contacting/communicating directly with the driver,
- Rotating or resting drivers,
- Altering work schedules, etc.

Finally, the **DSSi** product is an integrated data management, analysis and reporting system that gives fleet managers the information they need to manage their vehicles and drivers effectively. Coupled with an effective Fatigue Management Plan (FMP) the DSS suite allows organizations to take active steps to manage driver fatigue and distraction in their operations, and mitigate risks at all levels in the process.

General information about the DSS is available from: www.seeingmachines.com/product/dss/.