

DIAMES® Log-Event Viewer

The Log Event Viewer (“LEV”) visualises production activity events that have been logged online by the DIAMES® Server. LEV is an MS-Windows-based GUI application that is complementary to the DIAMES® family of products. The potential benefit of using LEV is that it provides instant and selective access to detailed key information specific to former production activity related events. Depending on the area of interest, a user interactively configures the selection criteria for the required time-span, the event type logged and the presentation format of the visualisation.

LEV can be configured to run on standard PC's or on touch screen based MS-Windows compliant devices like wireless PDA's. Work-centre operators and maintenance staff can use centralised touch screen based LEV configurations to check the detailed history of the production activities for specific irregularities. Wireless PDA's running the LEV application provide key information to shop floor supervisors and managers to enhance the actual business process production based on historical DIAMES log-event information.

ID	Date	Time	Information
EVSP	2004-01-31	00:00:09	41BG02 S:23.78 h O/R:23.78/23.78 h NS: 0.00 h O/R: 0.00/ 0.00 h
EUSP	2004-01-31	00:00:09	41SK18 S:23.78 h O/R: 0.00/ 0.00 h NS:-0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:09	41BG02 655932 0050 Lagrotteria Lui 157686 0 1 3 6JU
EUSP	2004-01-31	00:00:09	41SR03 S:23.78 h O/R: 0.00/ 0.00 h NS:-0.00 h O/R: 0.00/ 0.00 h
EUSP	2004-01-31	00:00:09	41SK28 S:23.78 h O/R: 0.00/ 0.00 h NS:-0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:10	41SK18 0401141400 ##### Hildebrand Hans 147032 0 1 1 6MQ
EVOP	2004-01-31	00:00:10	41SR03 0312111229 ##### GHOST CREW TABL CREW021 1 1 1 6Y0
EUSP	2004-01-31	00:00:10	41K032 S:23.78 h O/R:23.78/23.78 h NS: 0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:10	41SK28 0312111554 ##### Gashi Xhevat 310864 0 1 1 6MQ
EUSP	2004-01-31	00:00:10	41K031 S:23.78 h O/R: 0.00/ 0.00 h NS: 0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:11	41K032 481710 4000 Cortese Frances 226960 0 1 1 6JU
EVOP	2004-01-31	00:00:11	41K031 0312120429 ##### Krull Simon 300843 0 1 2 6JU
EUSP	2004-01-31	00:00:11	41K030 S:23.78 h O/R: 0.00/ 0.00 h NS: 0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:11	41K030 0312121414 ##### GHOST CREW TABL CREW028 1 1 1 6Y0
EVOP	2004-01-31	00:00:11	41K045 654299 0200 Pranjic Sredo 321111 0 1 1 6JU
EUSP	2004-01-31	00:00:11	41K045 S:23.78 h O/R:23.78/23.78 h NS: 0.00 h O/R: 0.00/ 0.00 h
EUSP	2004-01-31	00:00:11	41K061 S:23.78 h O/R:23.78/ 0.00 h NS: 0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:12	41K061 656259 0010 Morgade German 166310 0 1 1 6JU
EUSP	2004-01-31	00:00:12	41SK36 S:23.78 h O/R: 0.00/ 0.00 h NS: 0.00 h O/R: 0.00/ 0.00 h
EVOP	2004-01-31	00:00:12	41SK36 0312121418 ##### GHOST CREW TABL CREW025 1 1 1 6Y0
EUSP	2004-01-31	00:00:12	41SR09 S:23.78 h O/R: 0.00/ 0.00 h NS: 0.00 h O/R: 0.00/ 0.00 h

DIAMES Log-Event Viewer results for selected search criteria

The figure above illustrates how the LEV can be used to visualise a selected set of logged production activity events that have been collected by the DIAMES® Server. In this case, the search criteria have been set for “EVSP” and “EVOP” events. Additionally, the user has chosen the colour blue to highlight “EVSP” events...

The application supports the standard Microsoft Windows printing functions. The LEV also provides a feature to export visualised DIAMES log-event information directly to Microsoft Excel. The user can then further manipulate and visualise such exported information using standard Excel functions – e.g. graphic bar charts or pie charts, etc.

To limit the visualisation to a particular period of time, a time-span can be specified. Two optional, user-defined string-based filter functions are used to further limit the visualised information; i.e. to one specific production work-centre, a specific production order or a specific personnel ID ...

Each type of DIAMES log-event that can be visualised by the LEV application requires a customer specific definition of a sub-set of key data-elements on the DIAMES® server. The content of the information data-block of DIAMES log-event records is defined by the DIAMES System Administrator.

