

NS1 Workers Protection Module

Workers exposure to noise and vibration

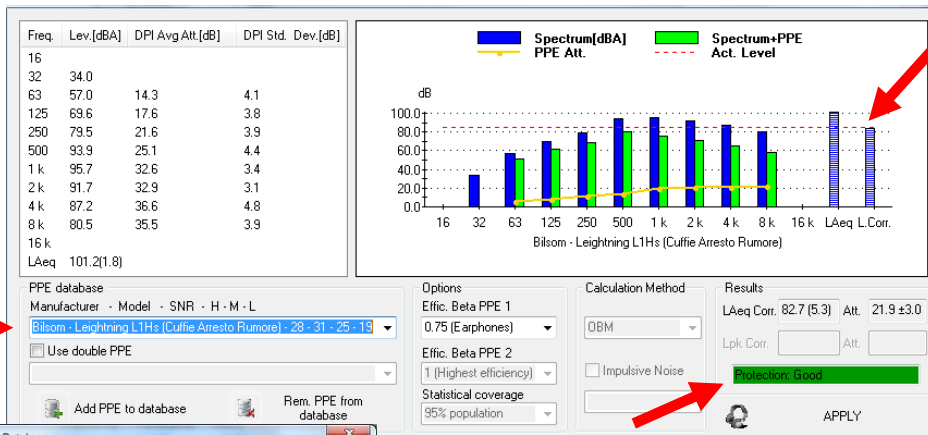
The workers protection module of Noise Studio is a powerful tool for noise and vibration risk assessment inside a company. With the implementation of the latest international regulations, automated and guided procedures, to the great versatility of use, Noise Studio highly speeds up the work of the consultant and allows to get reliable results without wasting time in the processes sometime complex. The processing functions of measures and profiles are intuitive and powerful allowing a full analysis of the sound phenomenon.

- ◆ In compliance with **Dir. 2003/10/CE, EN ISO 9612/11, EN 458, UNI 9432/11**
- ◆ Integrated noise and vibration data and measurements management
- ◆ Managing global data and time history (Profile)
- ◆ Masking functions for removal of abnormal events
- ◆ Management "task based" and "Job based" according to ISO 9612/11
- ◆ Management of homogeneous groups of workers
- ◆ Management of the sources *constant, cyclical, fluctuating and impulsive* with automatic recognition of the type of noise and automatic verification of the conformity to UNI9432/11
- ◆ Customizable PPE database
- ◆ Companies and workers database
- ◆ Machine database - database link with Ispesit
- ◆ Import external database into excel or txt
- ◆ SNR, HML, OBM methods of calculation, PPE-u protection factor
- ◆ Double PPE Management - Direct verification of the adequacy of the PPE
- ◆ Coloured display of exceedances for an immediate evaluation. Summary table with immediate representation of workers most at risk
- ◆ Both daily and weekly exposure
- ◆ Management of the extended uncertainties
- ◆ Automatic print of report and charts
- ◆ SLM direct parameters setup

- ◆ Type of analysis selection
- ◆ Task based
- ◆ Job based
- ◆ Type of noise
- ◆ Managing of the uncertainties

Worker	LE _{8h} MAX [dB]	w/o PPE LE _w [dB]	L _{pk} MAX [dB]	LE _{8h} MAX [dB]	With PPE LE _w [dB]	L _{pk} MAX [dB]	Effic.PPE
CARPENTERIA							
FALEGNAMERIA							
Giuseppe Rampazzo	88.5 (2.0)	87.8 (2.0)	118.3 (2.6)	67.8 (5.7)		79.0 (5.7)	Accettabile
Luigi De Angelis	0.8 (1.8)	0.8 (1.8)	98.1 (2.6)				
Marco Ballarini	109.5 (1.8)	111.0 (1.8)	142.9 (2.6)		115.7 (6.7)		
Matteo Bianchi	102.0 (4.8)	101.4 (4.8)	142.9 (2.6)	104.4 (7.4)	115.7 (6.7)	103.9 (7.4)	Insufficiente
OFFICINA							
Paolo Ceccherini	103.2 (2.6)	103.2 (2.6)	128.3 (2.6)				

- ◆ List of the machines
- ◆ Worker sheet
- ◆ Weekly and daily exposure
- ◆ Company summary sheet
- ◆ Report printout



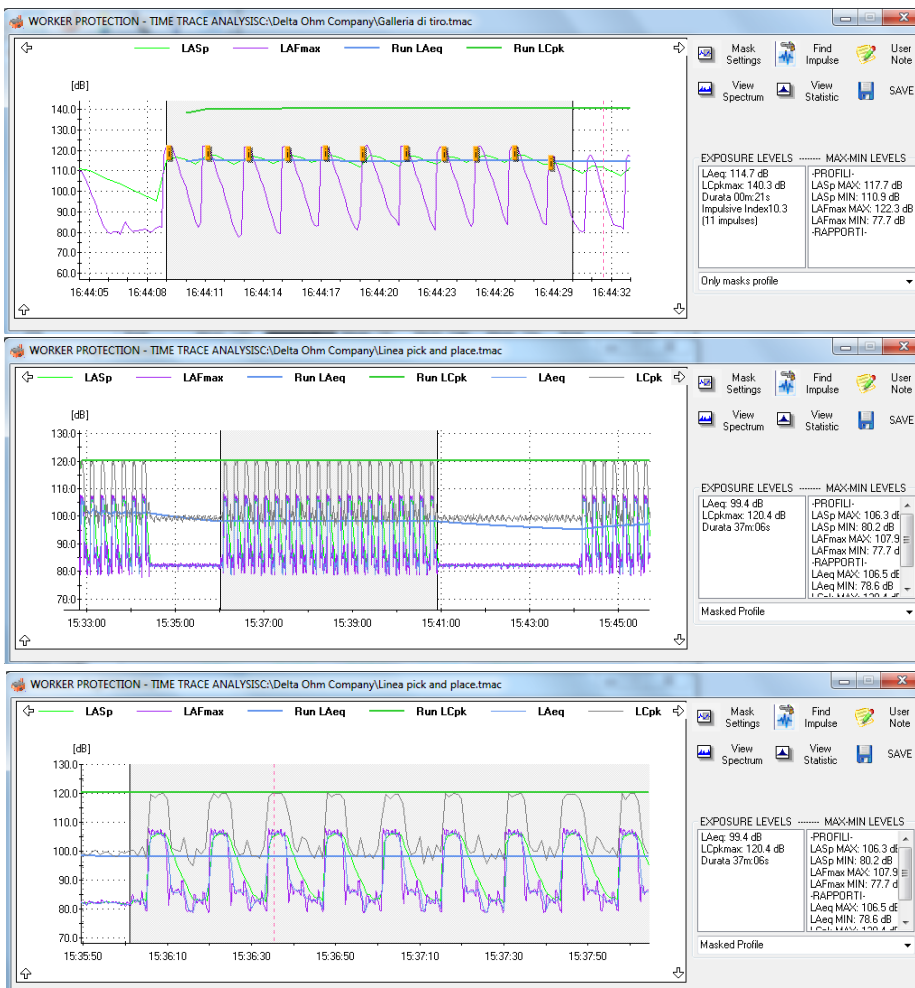
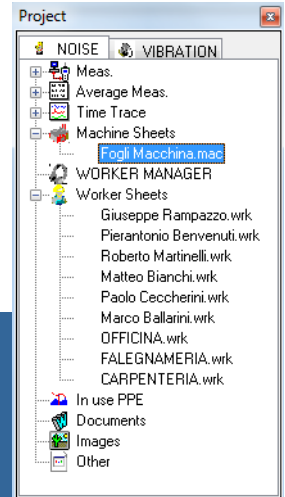
PPE Management

- ◆ Real time attenuation display (PPE choice auxiliary)
- ◆ Customizable PPE
- ◆ PPE efficiency
- ◆ Double PPE management
- ◆ Wide database included
- ◆ Calculation methods SNR, OBM, HML (impulse)

MEASUREMENT UNCERTAINTY: measurement data are displayed including extended uncertainty and customizable coverage factor. The extended uncertainty includes instrument, positioning and sampling uncertainties according to ISO9612/11 standard

PROJECT data organization with all-in one tree structure.

Direct access to significative data with a simple click. Possibility to include Word documents and pictures in the project for comprehensive data reporting. Integrated Noise and Vibration data management



MEASURE Management

Noise Studio integrates time profile data post-processing in the NS1 Workers protection module with multiple masking function on time profiles. This function allows to exclude from calculation unwanted noise events. NS1 module allows also automatic identification of impulse noise and its characteristics (cyclic, stationary, fluctuating).

Distributor

Language: English, Italian

Software compatibility: Win98, 2000, Vista, XP, Win7 (32-64), Win8