

II Announcement and detailed training program



Second Professional Noise Mapping Training in the GULF

Dubai JBR, United Arab Emirates
30.03.2015 – 01.04.2015

VIBROCOMP

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Description of the training

The aim of this **3 day training** is to teach Basic Acoustics and Noise mapping with the use of **SoundPLAN** the market leader noise mapping software as a **professional**. The training is very practical oriented in order to present the noise mapping and action planning methodology in every day's engineering life. The training will **give a detailed overview on the topic**, beginning from the basic acoustical requirements and the commonly used noise calculation standards to the **real preparation** of a noise map and an action plan.

Main focus of the training

- ✓ Acoustics, standards
- ✓ Noise measurements, standards
- ✓ Noise mapping
- ✓ ActionPLAN

Recommendations from earlier trainings:

"It was an excellent workshop! We learned alot and enjoyed it at the same time!"

Rayan Al-Kalbani - Co-Founder at Mazoon Environmental & Technological Services LLC, Muscat Oman

"I would like to thank you for the hospitality, I'm happy to meet you and attend this session, which helped me to understand and apply the software Sound Plan professionally."

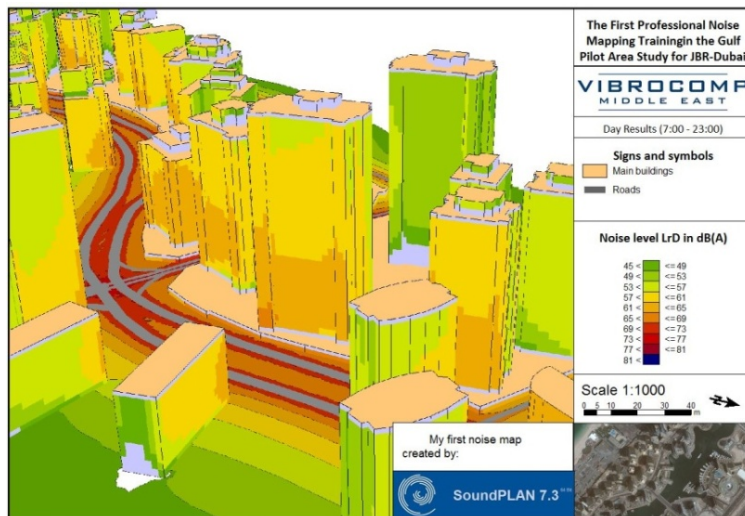
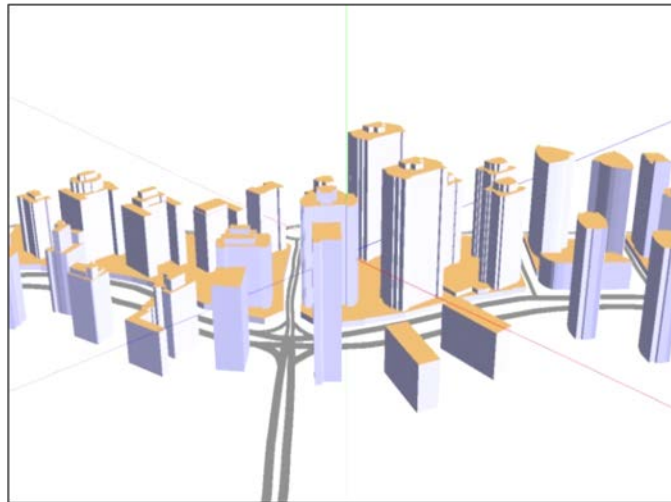
**Dr. Shatha Abduljabbar Ibrahim - Environmental Engineering Department
College of Engineering The University of Mustansiriyah Baghdad, Iraq**

"I am writing to thank you for your continuous support during one of the most useful training I have ever completed. It was really nice meeting you all (including Jochen but I do not have his email address). I look forward to expand my knowledge and skills in the noise modeling field and to meet you all again in another more advanced training."

Mazen Sokhen - Environmental Specialist ELARD Lebanon

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MIDDLE EAST



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Duration and topics of the training

1st training day: Basics acoustics, standards and input data collection methods needed to model and calculate road and industrial noise

2nd training day: VIBROCOMP methodology to measure and calculate road and industrial noise, working in groups with SoundPLAN

3rd training day: Preparation of “my first noise map and action plan” from the pilot area, working in groups with SoundPLAN.

Obtainable knowledge

The educational objective of this training is to teach with outstanding material, technological knowledge and up to date professional tools on how to do noise mapping with **SoundPLAN 7.3 as a professional.**

Based on the technical and natural science professional knowledge the following knowledge can be obtained:

- ✓ **Intermediate acoustical knowledge** needed to model and calculate industrial and road noise propagation
- ✓ Intermediate knowledge in **noise measurements**
- ✓ Intermediate knowledge in the **EU and US standards, regulations and guidelines** on Noise
- ✓ **Professional knowledge of SoundPLAN 7.3** Noise mapping software
- ✓ Professional knowledge in preparing Noise maps (from the base map to the 3D animated noise map), **by theory and by preparing noise maps in selected pilot areas**
- ✓ **Practical work experience**

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MIDDLE EAST

Training dates

30.03.2015 – 01.04.2015

Training venue

Tower meeting room, Ramada Plaza
Jumeirah Beach Residence, Dubai UAE

www.ramadaplazajbr.com



Training fee and payment information

1500 USD/participant, **maximum number of participants is 20**

The practical part of the training will be held in groups of maximum 5 persons.

Special discount applies to all SoundPLAN users of Vibrocomp as stated in the purchase agreement of the software.

Registration deadline: 20th of February 2015

For registration please fill out the attached registration form and forward it to me@vibrocomp.com

Deposits & Billing

Deposit - In order guarantee the participation the following deposit schedule must be honoured:

- 50% down payment until 20th of February 2015
- Remaining 50% until 10th of March 2015
- no refunds will be made for cancelations after 10th of March 2015

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Bank Account Details - all payments must be made to

Vibrocomp ME FZC

National Bank of Abu Dhabi
Mirdif City Centre Branch
AE670350000006204697721
Swift: NBAD AEAA XXX
Dubai, United Arab Emirates

Price includes

- ✓ Printed and digital training material
- ✓ **Use of Vibrocomp's Class I Integrating Sound Level Meter**, for noise measurements in the pilot areas
- ✓ **Use of Vibrocomp's laptops with pre-installed** fully licensed SoundPLAN 7.3 Noise mapping software
- ✓ Practical noise mapping experience of a pilot area close to the training location
- ✓ **Globally accepted Training Certificate** issued by SoundPLAN International and Vibrocomp
- ✓ 3 day lunch, mineral water, coffee and snacks
- ✓ Use of WI-FI in the hotel

The above stated price does not include the accommodation. If you require accommodation and wish to stay at the Ramada Plaza Jumeirah Beach Residence please book your stay at discounted prices directly from the hotel.

Contact Name: Nichelcaren Tuazon

Email: nichel.tuazon@ramadaplazajbr.com

Hotel Webpage: www.ramadaplazajbr.com

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Detailed Training program for 3-days training: Second Professional Noise Mapping Training in the GULF, Dubai 30.03.2015-01.04.2015

Day 1

- 9.00 – 9.30 **Welcome and introduction to the 3-days session**
- 9.30 – 10.45 **Pal Bite - Basic acoustic background**
PowerPoint presentation, script handed out
- 10.45 – 11.00 *Coffee*
- 11.00 – 12.30 **Jochen Schaal - Noise Mapping Standards**
Powerpoint presentation, script handed out
- 12.30 – 13.30 *Lunch*
- 13.30 – 14.30 **Peter Farago – Noise Measurements vs. Noise Modelling**
PowerPoint presentation, script handed out
- 14.30 – 15.45 **Pal Bite - Necessary Input Data, Accuracy and Quality control**
PowerPoint presentation, script handed out
- 15.45 – 16:00 *Coffee*
- 16.00 – 17.00 **Pal Bite – Noise mapping in theory and validation of noise maps**
PowerPoint presentation, script handed out
- 17.00 – **Questions, closing the training day**
Your inputs to the training are most welcome!

- 9.00 – 9.15 **Welcome of the day incl. a summary of Day 1**
- 9.15 – 10.30 **Jochen Schaal – SoundPLAN 7.3 the Noise calculation software, getting to know the software and the modules**
PowerPoint presentation, script handed out
- 10.30 – 10.45 *Coffee*
- 10.45 – 12.30 **Pal Bite – Vibrocomp Methodology Industry noise, from theory to the preparation of a noise map**
Working in groups with SoundPLAN 7.3, script handed out
- 12.30 – 13.30 *Lunch*
- 13.30 – 15.15 **Peter Farago – Vibrocomp Methodology Road noise, from theory to the preparation of a noise map**
Working in groups with SoundPLAN 7.3, script handed out
- 15.15 – 15.30 *Coffee*
- 15.30 – 17.00 **Practical exercise preparation of „my first” noise map – working in the selected pilot area (part 1)**
Input data collection in the pilot area with expert guidance
- 17.00 – **Questions, closing the day**
Your inputs to the training are most welcome!

- 9.00 – 9.15 **Welcome of the day incl. a summary of Day 2**
- 9.15 – 10.45 **Practical exercise preparation of „my first” noise map road – finalizing my first noise map individually (part 1)**
Working in groups with SoundPLAN 7.3 with expert guidance
- 10.45 – 11.00 *Coffee*
- 11.00 – 12.30 **Practical exercise preparation of „my first” noise map industry – finalizing my first noise map individually (part 2)**
Working in groups with SoundPLAN 7.3 with expert guidance
- 12.30 – 13.30 *Lunch*
- 13.30 – 15.15 **Jochen Schaal – Creating „my first” ActionPLAN**
using facade noise map, noise barriers and creating a difference map
Designing „my first” noise map using cross section map, 3D cross section, 3D noise map, 3D animation
Working in groups with SoundPLAN 7.3 with expert guidance
- 15.15 – 15.30 *Coffee*
- 15.30 – 16.30 **Test and Evaluation**
You are asked to answer a few questions
- 16.30 – **Certification Ceremony – Closing the training**
We would like to know your feedback on the training

The training will be held by:

Pal Bite, CEO Vibrocomp, 10 years and 700+ training hours

Pal was born into environmental noise reduction as his mother – still active – was one of the pioneers in environmental noise modelling and mitigation from the early 1970's. Pal is actively working in the field of noise reduction for 12 years. During this time he has held over 400 training hours on noise mitigation. Beside training and educating civil and environmental engineers of different organisations and QHSE officers, he has gained extensive experience in the education of government employees. Pal was expert in the education and training of 2 EU and 1 EU candidate government-organisations (Hungary, Romania and Serbia) in the field. During those projects he trained employees of municipalities, national-, regional-, local-environmental agencies and transport authorities on how to make and validate Noise Maps and ActionPLANS.

Pal is currently the project manager of the **Noise Study in the Emirate of Dubai, where Vibrocomp is producing the Noise Map of the entire City.**

Jochen Schaal, shareholder and MD of SoundPLAN, 19 years and 1700+ training hours

Jochen is the most experienced SoundPLAN trainer worldwide. He has been working in the field for over 19 years. He has been involved in the implementation of the 49/2002 EC Directive – the directive on noise mapping and action planning into SoundPLAN. Beside the experience of almost 100 specialized SoundPLAN training hours each year all over the world he has significant knowledge in technical assistance and training projects. Jochen was key expert in the EC twinning project TR/2004/IB/EN/02 in Turkey. During this project he trained employees of municipalities, national-, regional-, local-



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environmental agencies and transport authorities how to make and validate Noise Maps and ActionPLANS.

Jochen has significant experience in education at Universities since he was expert at the Tempus project in Egypt, where he was responsible for the preparation of two complete lectures in the newly founded master's degree for sound and vibration.

Peter Farago, Manager Vibrocomp ME 10 years and 300+ training hours

Peter is an experienced SoundPLAN trainer and consultant for more than 10 years in all fields of environmental noise assessment. With several GCC SoundPLAN training projects and a research in cooperation with the University of Sharjah on meteorological conditions in the Gulf in his background, he has an extensive knowledge on local circumstances which are vital for accurate noise modelling. Key projects: SoundPLAN training for Petroleum Development Oman FEED Office, PMK International, Vectra ME (Arcadis); large environmental noise mapping and action planning projects (more than 10 large European cities incl. Budapest), airports (more than 5 major European airports), roads and railways (several hundreds of kms).

Peter is currently the team leader of the **Noise Study in the Emirate of Dubai.**

and assistant trainers from Vibrocomp.

For further information on the training, please contact VIBROCOMP ME:

Email: me@vibrocomp.com

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