

II Announcement and detailed training program



Air Quality and Noise modelling of EIAs Training

Dubai, United Arab Emirates
5/10/2015 – 7/10/2015

VIBROCOMP

Budapest

VIBROCOMP KFT
1118 Bp., Bozókvár utca 12.
Tel.: + 36 1 310 72 92
Fax: + 36 1 319 63 03
Mail: info@vibrocomp.hu

Romania

VIBROCOMP SRL
Cluj-Napoca
Calea Dorobantilor 25/59
Tel.: +40728018976
Mail: romania@vibrocomp.com

Middle East

VIBROCOMP ME FZC
PO Box: 391850 DUBAI
United Arab Emirates
Tel.: +971 52 7937216
Mail: me@vibrocomp.com

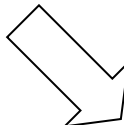


Description of the training

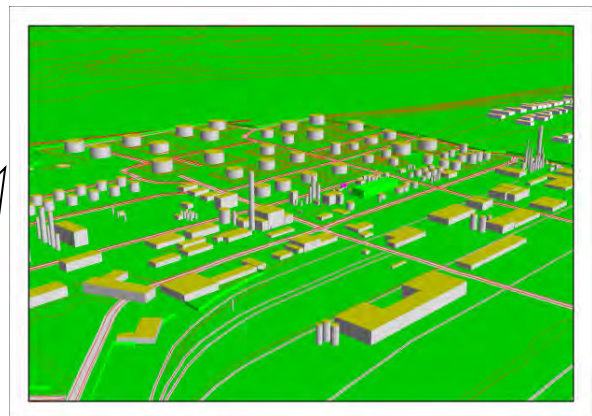
The aim of this **3 day training** is to teach how to benefit from the combination of Air Quality and Noise modelling in one software application **SoundPLAN**, as a **professional**. The training is very practical oriented in order to present the Air Quality and Noise modelling methodology in every day's environmental engineering life. The training will **give a detailed overview on the topic**, beginning from the basic requirements and the commonly used noise dispersion models and calculation standards to **preparing of AQ and Noise contour maps** of real situations.

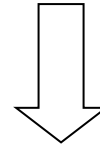
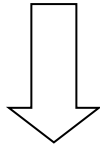
Main focus of the training

- ✓ Noise, standards
- ✓ Noise modelling, prediction
- ✓ Air Quality, standards and dispersion models
- ✓ Air Quality modelling, prediction



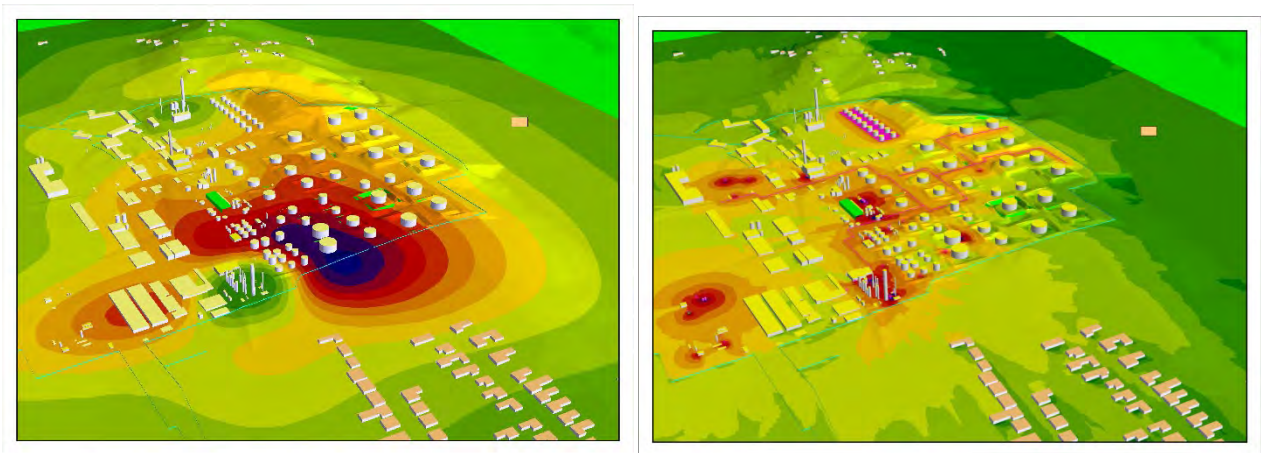
from Google Earth to the 3D model





from the same 3D model to

AQ model and contour map and Noise model and contour map



Duration and topics of the training

- Day 1:** **Air Quality and Noise basics, standards**, AQ dispersion modelling
- Day 2:** VIBROCOMP methodology to prepare **AQ dispersion models** and contour maps - incl. practical exercise with VIBROCOMP computers in groups of max 2
- Day 3:** VIBROCOMP methodology to prepare **Noise models** and contour maps - incl. practical exercise with VIBROCOMP computers in groups of max 2

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Obtainable knowledge

The educational objective of this training is to teach with outstanding material, technological knowledge and state-of-the-art professional tools on how to conduct Air Quality and Noise modelling for and as part of EIAs with **SoundPLAN 7.4 Air and Noise as a professional.**

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

- ✓ **Intermediate acoustical and air dispersion knowledge** needed to model and calculate industrial and road propagation
- ✓ Intermediate knowledge in different **AQ dispersion models**
- ✓ Intermediate knowledge on **EU and US standards, regulations and guidelines** in the field of AQ and Noise
- ✓ **Professional knowledge of SoundPLAN 7.4** Air and Noise mapping software
- ✓ Professional knowledge in preparing Air Quality and Noise maps (from the base map to the 3D animated noise map), **by theory and by preparing maps of a pilot project**
- ✓ **Practical work experience**

Training dates

5/10/2015 – 7/10/2015

Training venue

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

www.ramadaplazajbr.com





Training fee and payment information

2000 USD/participant, **maximum number of participants is 20**

The practical part of the training will be held in groups of maximum 2 persons.

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

Registration deadline: 30th of August 2015

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

Deposits & Billing

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

- 50% down payment until 30th of August 2015
- Remaining 50% until 15th of September 2015
- no refunds will be made for cancelations after 15th of September 2015

Bank Account Details - all payments must be made to

Vibrocomp ME FZCO

National Bank of Abu Dhabi
DUBAI MAIN BRANCH
AE110350000006205806469
Swift: NBAD AEAA XXX
Dubai, United Arab Emirates



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Price includes

- ✓ Printed and digital training material
- ✓ **Use of Vibrocomp's laptops with pre-installed** fully licensed SoundPLAN 7.4 Air and Noise mapping software
- ✓ Practical project mapping experience of a pilot area
- ✓ **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.

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TRAINING AGENDA (3 Days)

Day 1

- 9:00 – 9:15 **Welcome and introduction to the 3-days session**
(incl. choice of pilot areas)
- 9:15 – 10:45 **Basic acoustic background and Calculation Standards**
PowerPoint presentation, script handed out
- 10:45 – 11:00 *Coffee break*
- 11:00 – 12:00 **Basic AQ background**
PowerPoint presentation, script handed out
- 12:00 – 12:30 **Overview of different dispersion models**
PowerPoint presentation, script handed out.
- 12:30 – 13:30 *Lunch break*
- 13:30 – 14:30 **Benefits and Drawbacks of different dispersion models**
PowerPoint presentation, script handed out
- 14:40 – 15:15 **Application of different dispersion models and their limitations**
PowerPoint presentation, script handed out
- 15:15 – 15:30 *Coffee break*
- 15.30 – 16.00 **Necessary Input Data and Accuracy – AQ modelling in theory from the collection of input data to the AQ contour map**
PowerPoint presentation, script handed out
- 16:00 – 16:30 **Necessary Input Data and Accuracy - Noise modelling in theory from the collection of input data to the noise contour map**
PowerPoint presentation, script handed out
- 16:30 – **Questions, closing the training day**
Your inputs to the training are most welcome!

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Day 2

- 09:00 – 9:15 **Welcome of the day including a summary of Day 1**
PowerPoint presentation, script handed out
- 09:15 – 10:00 **SoundPLAN 7.4 Air the AQ calculation software, getting to know the software and the modules**
PowerPoint presentation, script handed out
- 10:00 – 10:15 *Coffee break*
- 10:15 – 12:30 **Vibrocomp Methodology AQ modelling from theory to the preparation of an AQ contour map**
working in groups of max 2. with SoundPLAN 7.4, script handed out, expert guidance
- 12:30 – 13:30 *Lunch break*
- 13:30 – 16:45 **Practical exercise preparation of „my first” AQ contour map for EIA**
working in groups of max 2. with SoundPLAN 7.4 Air, with expert guidance
- 16:45 – **Questions, closing the day**
Your inputs to the training are most welcome!

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- 09:00 – 9:15 **Welcome of the day including a summary of Day 2**
PowerPoint presentation, script handed out
- 09:15 – 10:00 **SoundPLAN 7.4 Noise the Market Leader Noise calculation software, getting to know the software and the modules**
PowerPoint presentation, script handed out
- 10:00 – 10:15 *Coffee break*
- 10:15 – 12:00 **Vibrocomp Methodology Noise modelling from theory to the preparation of a Noise contour map**
working in groups of max 2. with SoundPLAN 7.4, script handed out, expert guidance
- 12:00 – 12:30 **Test and Evaluation**
You will be kindly asked to answer a few questions
- 12:30 – 13:30 *Lunch break*
- 13:30 – 16:00 **Practical exercise preparation of „my first” Noise contour map for EIA**
working in groups of max 2. with SoundPLAN 7.4 Noise, with expert guidance
- 16:00 – 16:15 *Coffee break*
- 16:15 – **Certification Ceremony – Closing the training**
We would like to know your feedback on the training!

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MIDDLE EAST

The trainings will be **led by experienced noise expert-trainers with at least 12 years of experience in project work and 1,500+ training hours**. The trainers are familiar with all details and aspects of noise pollution, noise reduction measurements and the application of SoundPLAN. Dubai Municipality rated our trainers in 2014 with a remarkable average score of 4.7 out of 5)

Roads and Transport Authority in Dubai rated our trainers in 2015 with a remarkable average score of 95% out of 100%.

Trainers profile:

Dr. ENG. Pal Bite, (senior trainer)

CEO Vibrocomp, 12 years and 1,500+ 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 1,500 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 was the project manager of the recently completed **Noise Study in the Emirate of Dubai, where Vibrocomp produced the Noise Map of the entire City.**

European Acoustic Society member EAA – 11 – HU, 3867

Dipl.-Geogr. Klaus Wilhelm (MSc. Geo-Ecology)

Klaus Wilhelm has a long experience in air pollution modelling, software support and software development. 1994 he started at SoundPLAN headquarter in Germany as consultant and trainer for noise calculations. Since about ten years he coordinates there the entire air pollution software development and air pollution support. His vocation is, to build with the SoundPLAN software an efficient bridge between the scientific competence of model authors, the outstanding, user friendly interface programming of SoundPLAN and the practical demands of consultants and environmental agencies.

Dr. ENG. Peter Farago, (senior trainer)

Manager Vibrocomp ME 10 years and 700+ 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 Dubai Municipality EPSS, Dubai Petroleum, RTA Dubai, 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) and industrial facilities.

Peter was the team leader of the recently completed **Noise Study in the Emirate of Dubai incl. over 60 industrial facilities.**

and assistant trainers from Vibrocomp.

Training references and recommendations:

- **Dubai Municipality**
- Ajman Municipality
- Al Ain Municipality
- **Roads & Transport Authority, Dubai**
- University of Sharjah
- **Petroleum Development Oman**
- **Dubai Petroleum**
- Qatar Design Consortium, Qatar
- Environment World, Kuwait
- Arcadis, Abu Dhabi



هيئة الطرق والمواصلات
ROADS & TRANSPORT AUTHORITY



Recommendations:

„It was an excellent training overall. Thorough knowledge on theory & software, detailed and systematic delivery of presentation, real time examples, effectively communicate complex theory in an easily understandable way and training methods were very useful and appreciable. I strongly recommend sound plan to my co staffs for industrial noise modelling.

Well worth my time.”

Amalan Antony Raj - HSE – Verification & Compliance Dubai Petroleum

„It was a very useful course”

Bayan AbuShaban – Senior Specialist QHSE unit Rail Agency RTA, Dubai

“It was an excellent workshop! We learned a lot 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

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MIDDLE EAST

"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 modelling field and to meet you all again in another more advanced training."

Mazen Sokhen - Environmental Specialist ELARD Lebanon

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

Ms. Stella Zanoria at me.admin@vibrocomp.com

or

Tel: +971 43344369

Mob: +971 529231331

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