



40 YEARS

THE AIR QUALITY, NOISE & VIBRATION
EXPERTS

VIBROCOMP

WELCOME

VIBROCOMP IS A CIVIL ENGINEERING CONSULTANCY COMPANY THAT PROVIDES A WIDE RANGE OF TECHNOLOGY SOLUTIONS AND TECHNICAL ASSISTANCE SERVICES WITH INNOVATIVE AND HIGH QUALITY APPROACHES IN THE FIELD OF ENVIRONMENTAL AIR, NOISE AND VIBRATION POLLUTION MONITORING, PREDICTION, MODELLING AND MITIGATION ACTION PLANNING.

The expertise of VIBROCOMP's specialists in Air, Noise and Vibration cover a broad range of know-how in civil engineering, urban and industrial projects. We provide environmental and workplace risk assessments, Air, Noise and Vibration monitoring, solution engineering for mitigation, consultancy and communication, altogether to facilitate your design and decision making process and communication with all the parties involved.

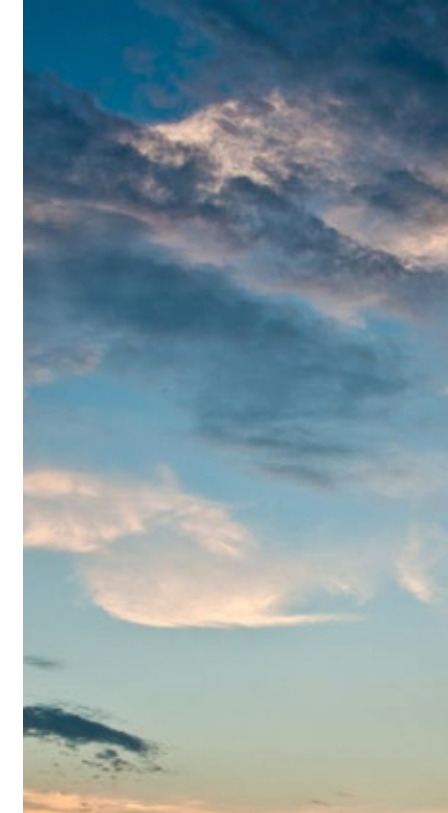


DR. BITE PÁL ZOLTÁN PHD., MSC., MBA
CEO - VIBROCOMP

Bite



NOISE MODELLING



AIR DISPERSION MODELLING

VIBROCOMP

RESEARCH



AIR QUALITY SAMPLING,
NOISE & VIBRATION MONITORING

KNOWLEDGE TRANSFER AND
TRAINING



LOCATIONS & MEET OUR TEAM



ABU DHABI



BAHRAIN



CHINA



DUBAI



FUJAIRAH



HUNGARY



KUWAIT



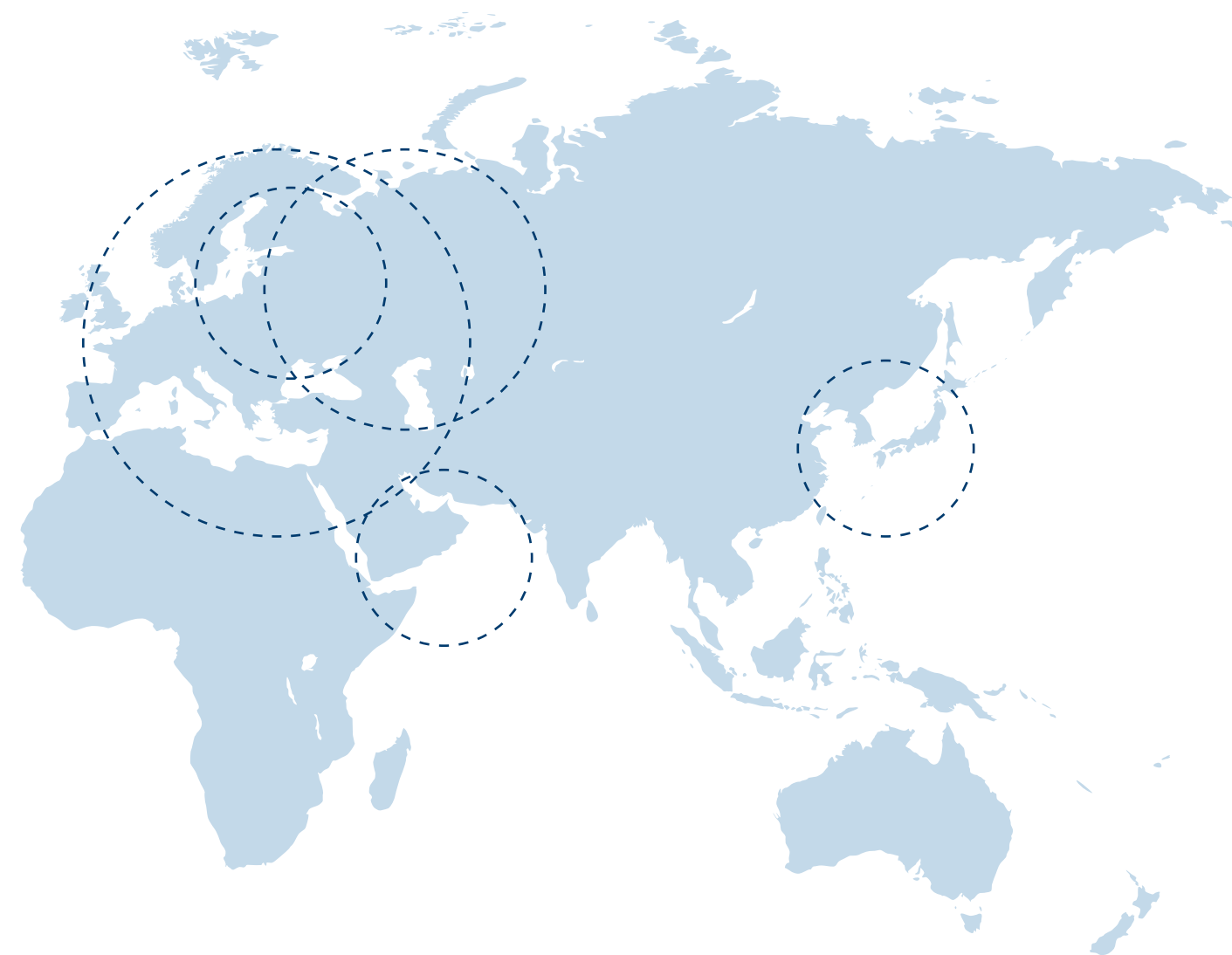
OMAN



QATAR

GLOBAL PERSPECTIVE WITH EUROPEAN ENGINEERING KNOW HOW

Abu Dhabi • Angola • Austria • Bahrain • China • Dubai • Fujairah • Germany
Hungary • Iraq • Kenya • Kuwait • Oman • Qatar • Romania • Saudi Arabia
Serbia • Slovakia • Slovenia • Turkey • United Kingdom



ROMANIA



SAUDI ARABIA



SERBIA

GOVERNMENTS

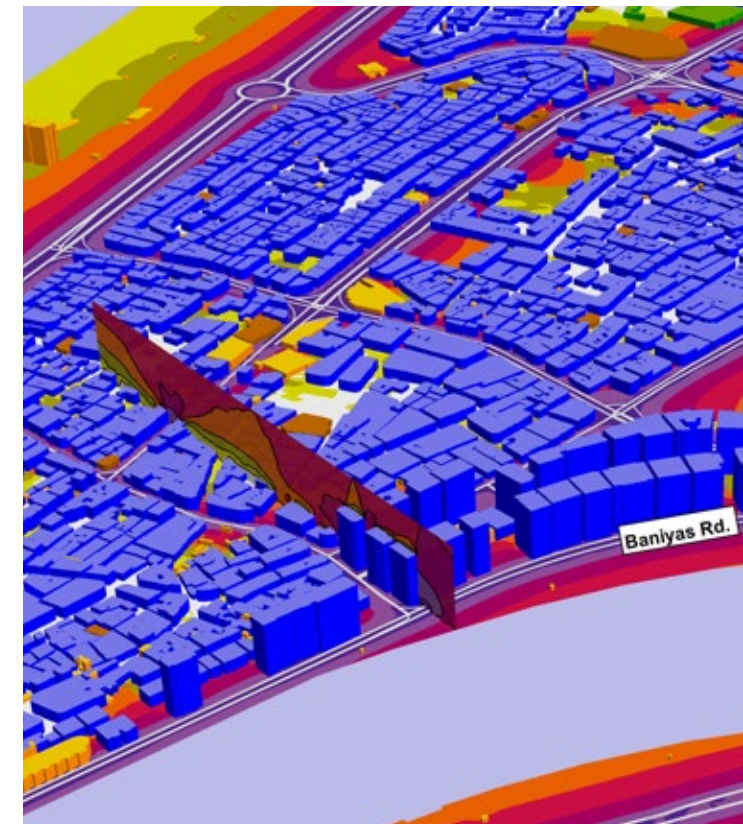
Air and Noise Pollution is one of the environmental problems that are generated by the rapid growth of developed areas. Since the very beginning VIBROCOMP has been expert partner to several governments around the world and helped to improve the quality of urban life. There is no doubt that annoyance is the most prevalent and has a long term effect due to traffic and industrial activities. VIBROCOMP supports local, regional and national governments in creating sustainable city developments, where residents feel the essence of a successful living.



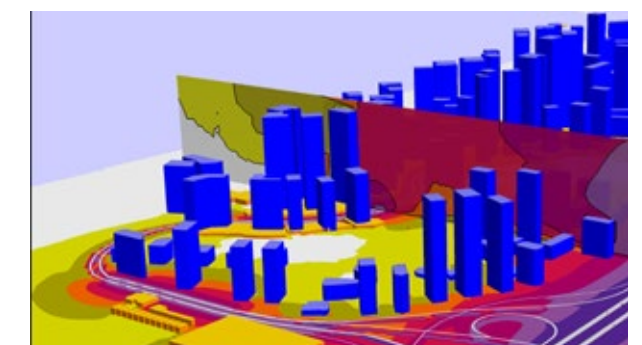
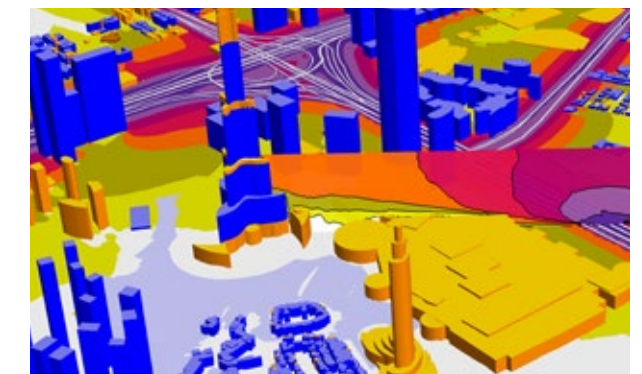
SERVICES INCLUDE

- determination of the baseline levels / large scale air quality & noise maps
- determination of the major pollutants and design of customized reduction action plans
- air quality & odour assessment related to municipal waste management and sewage treatment
- development of long term reduction strategies & policies
- development of guidelines and regulations
- knowledge transfer trainings

STUDY OF TOXIC AIR POLLUTANTS AND PARTICULATE MATTER CHARACTERIZATION IN THE EMIRATE OF DUBAI



NOISE STUDY IN THE EMIRATE OF DUBAI - THE DUBAI NOISE MAP

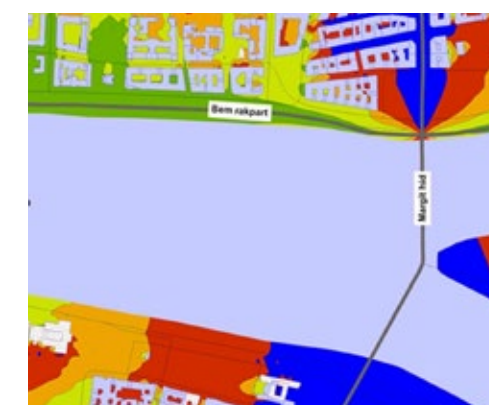




AIR QUALITY STRATEGY FOR THE EMIRATE OF DUBAI FOR 2016-2021



BUDAPEST NOISE MAP AND ACTIONPLAN



AIR QUALITY STRATEGY OF THE HGV BAN IN BUDAPEST



ROMANIA: STRENGTHENING INSTITUTIONAL CAPACITIES FOR IMPLEMENTING AND ENFORCING NOISE RELATED DIRECTIVES



SERBIA: STRATEGIC NOISE MAPPING AND ACTION PLANNING BASED ON HUS-RB/1002/122/137 INITIATIVE



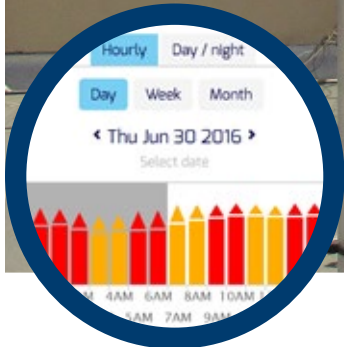
INSTALLATION OF ENVIRONMENTAL NOISE MONITORING STATIONS AND DATA ANALYSIS IN THE EMIRATE OF DUBAI



ODOUR EMISSIONS STUDY ACROSS AL WARSAN AREA AND DEVELOPMENT OF ODOUR CONTROL AND MANAGEMENT PLAN



DYNAMIC NOISE MAP



DEVELOPMENT OF THE DUBAI NOISE INDEX



ESTABLISHING AIR QUALITY MONITORING FOR AL QUSAIS AND JEBEL ALI LANDFILL SITES





INFRASTRUCTURE DEVELOPMENTS

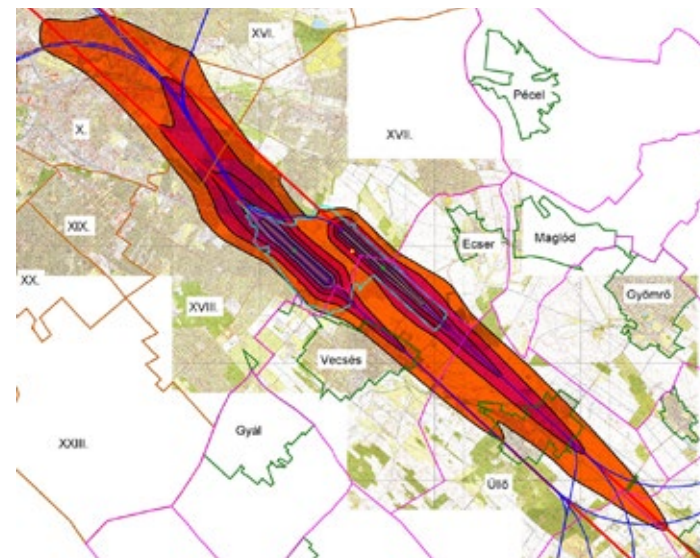
Based on accurate monitoring and/or model calculations Vibrocomp predicts the pollution levels from airports, roads, railway/metro lines and seaports. VIBROCOMP also provides reduction action plans with cost optimisations, customised solutions to be implemented in the planning phase to reduce exposure to pollution in the future.

SERVICES INCLUDE

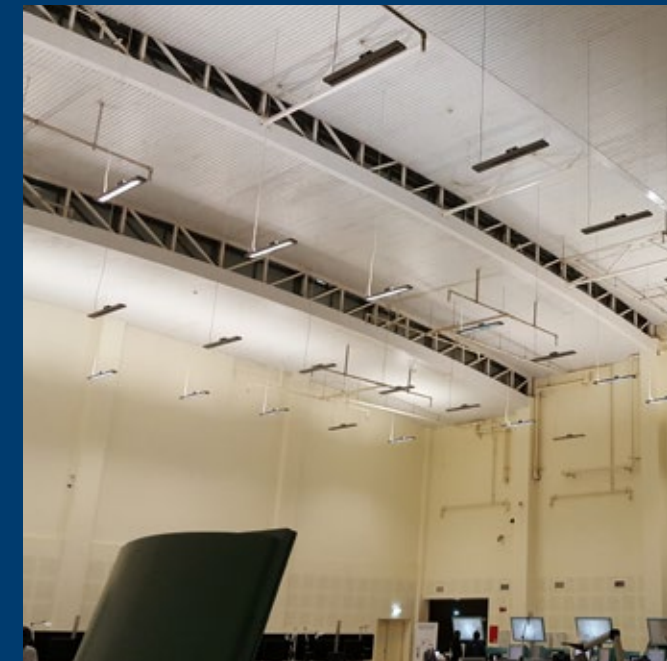
- air quality and noise prediction model and reduction from construction and operation
- air quality samplings
- noise & vibration monitoring measurements
- mitigation measures: if reduction measures are necessary we deliver the design and the cost prediction



NOISE REDUCTION ACTION PLAN FOR BUCHAREST HENRI COANDA INT. AIRPORT



NOISE REDUCTION ACTION PLAN FOR THE BUDAPEST LISZT-FERENC INT. AIRPORT



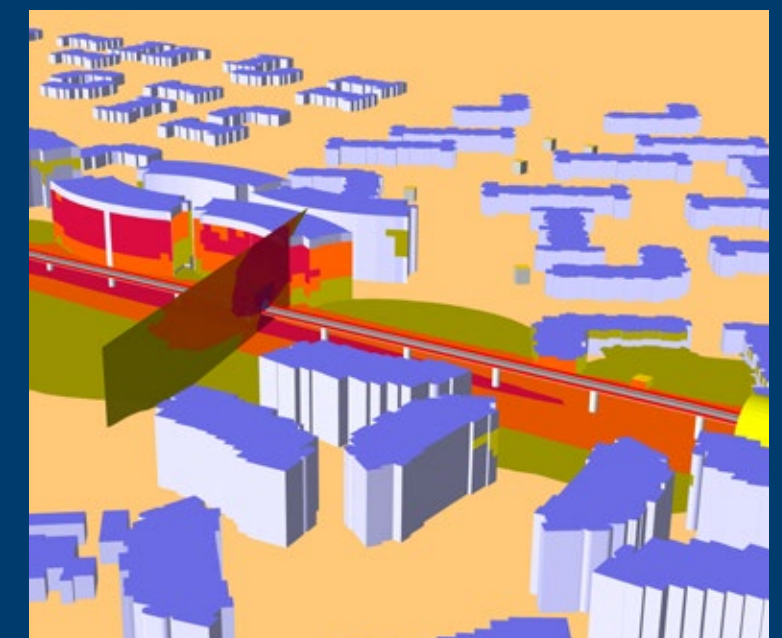
ACOUSTIC DESIGN FOR CONTROL ROOMS FOR RIYADH, JEDDAH AIRPORTS



DUBAI METRO - AL RASHIDIYA MAIN DEPOT - VIBRATION MEASUREMENTS / ANALYSIS AND REDUCTION DESIGN



NOISE & VIBRATION DESIGN FOR CONSTRUCTION AND OPERATION OF THE DUBAI METRO RED LINE EXTENSION TO EXPO2020

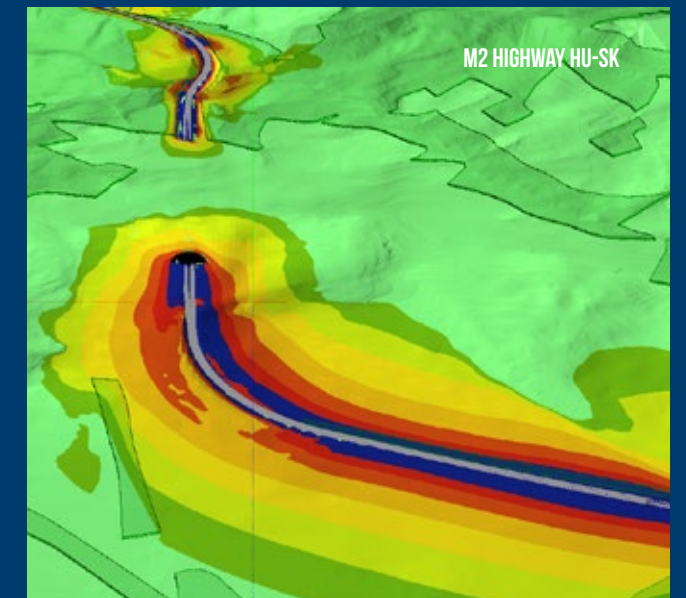




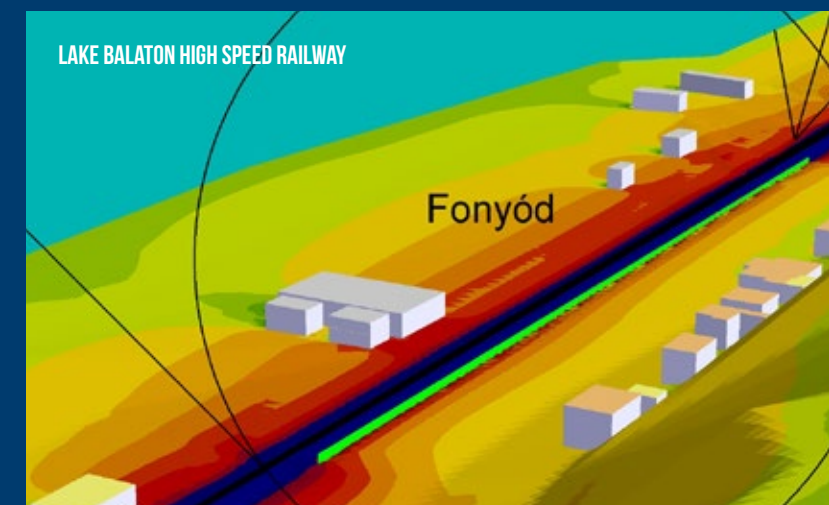
NOISE AND VIBRATION DESIGN FOR THE NEW BUDAPEST METRO 4
FROM THE FIRST SKETCH TO CONSTRUCTION



M9 HIGHWAY HU



M2 HIGHWAY HU-SK

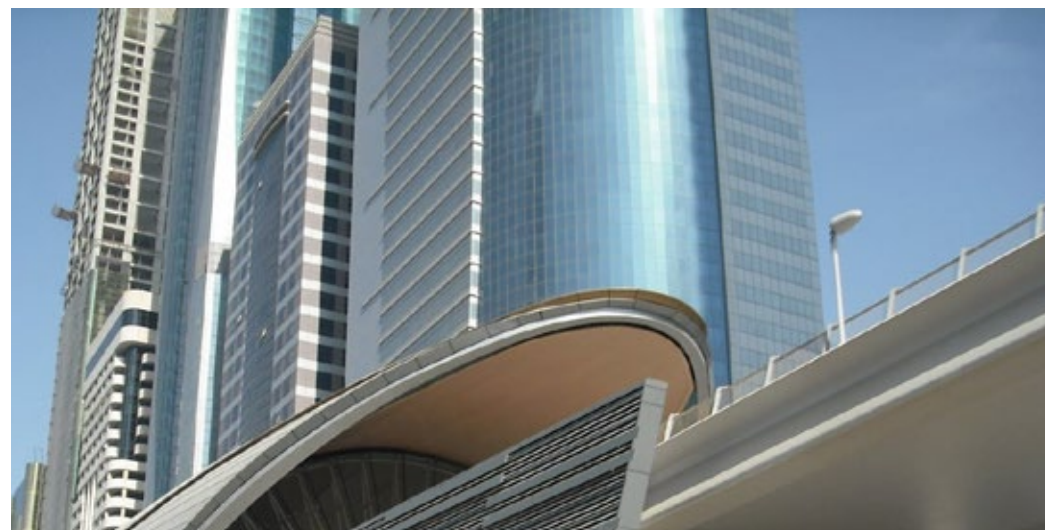


LAKE BALATON HIGH SPEED RAILWAY

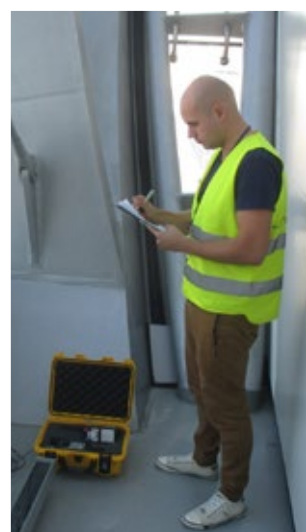
Fonyód



RTA BUS CLASSIFICATION / PASS BY AND INTERIOR NOISE /



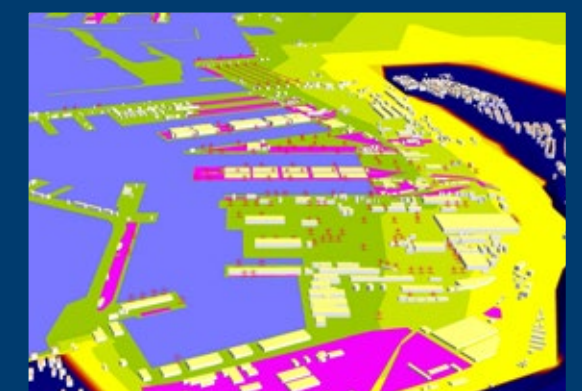
STATION INTERIOR VIBRATION MONITORING
TO ACHIEVE ACOUSTIC COMFORT



ANNUAL NOISE AND VIBRATION MONITORING FOR THE DUBAI METRO & TRAM
TO ENSURE SAFE OPERATION



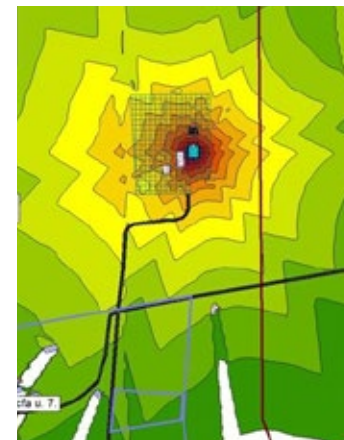
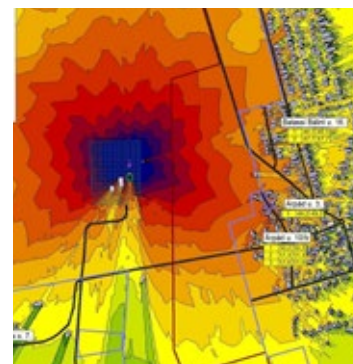
NOISE MODEL AND NOISE REDUCTION PLAN FOR ONE OF EUROPE'S BIGGEST SEAPORTS, CONSTANTA
PORT IN ROMANIA



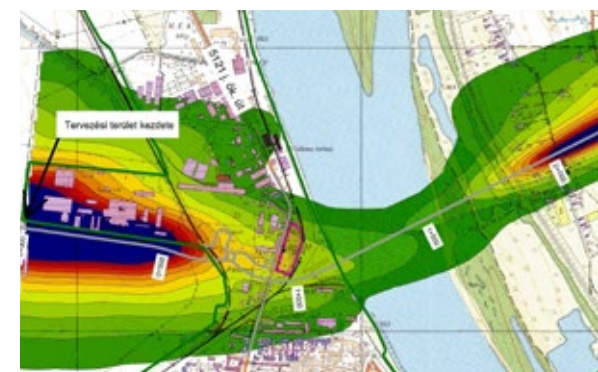
AIR QUALITY, NOISE & VIBRATION MONITORING - 132 KV TRANSMISSION LINE, FUJAIRAH



NOISE REDUCTION FOR MAVIR SHUNT REACTOR



NOISE MODEL AND DESIGN PLAN FOR THE LOW NOISE AIRCRAFT ENGINE TEST FACILITY AT THE BUDAPEST LISZT-FERENC INT AIRPORT



ACOUSTIC DESIGN MOHÁCS BRIDGE ACROSS THE DANUBE

AIR QUALITY, NOISE & VIBRATION MONITORING FOR THE CONSTRUCTION OF THE EXPO2020; 2016-2020



NOISE AND VIBRATION DESIGN FOR THE BUDAPEST TRAMWAY NETWORK

CONSTRUCTION

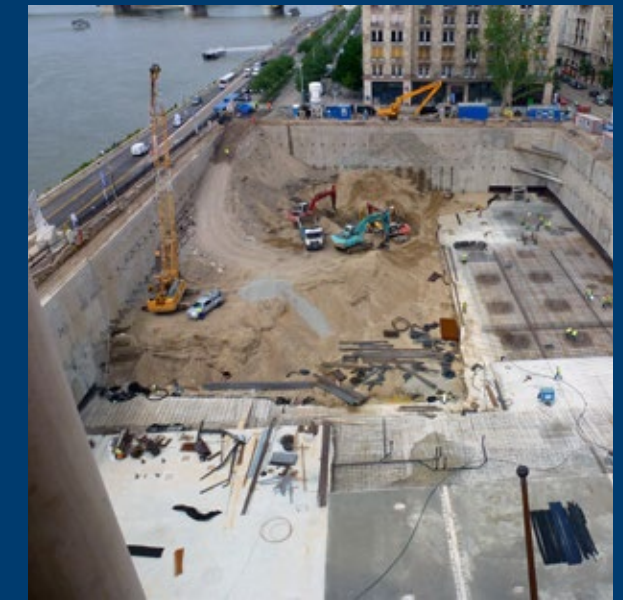
Constructions come usually with short term very high levels of noise and sometimes vibration. In order to minimize the effect of constructions on the neighbouring sensitive areas VIBROCOMP measures models and predicts the noise and vibration coming from construction activities. Mitigation measures are the best and cost effective, when planned in the preparatory phase of the constructions according to the organization plan.

SERVICES INCLUDE

- baseline air quality, noise & vibration sampling / long term monitoring
- noise and vibration prediction / reduction from any kind of construction
- noise and vibration modelling along transport routes during construction
- noise and vibration monitoring measurements, during construction to ensure the safety of sensitive buildings around the construction site
- vibration prediction and permanent monitoring of sensitive buildings during constructions
- underwater noise monitoring



SHENZHEN METRO



VIBRATION MONITORING TO PROTECT THE HUNGARIAN PARLIAMENT DURING CONSTRUCTION



VIBRATION MONITORING TO PROTECT THE ROYAL DAFNA PALACE DURING CONSTRUCTION OF THE DOHA METRO RED LINE



PORT OF CONSTANTA UNDERWATER NOISE MONITORING

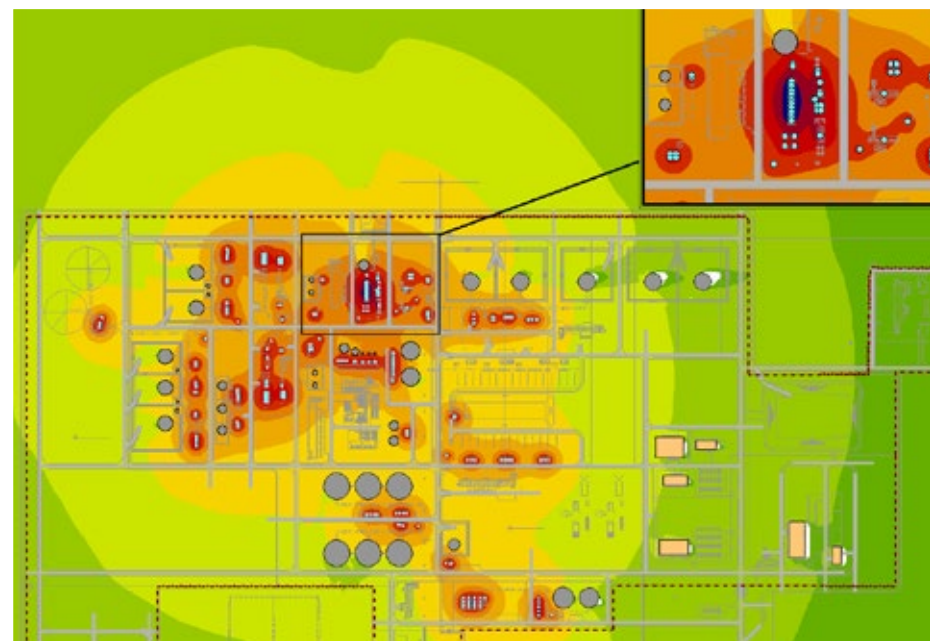


INDUSTRIAL DEVELOPMENTS

Industrial developments nowadays face a significant challenge to reduce their air & noise emission both inside the plant /workplaces/ and in the surrounding environment. VIBROCOMP gives quick and accurate figures to the baseline and provides cost-effective solutions if reduction is necessary.

SERVICES INCLUDE

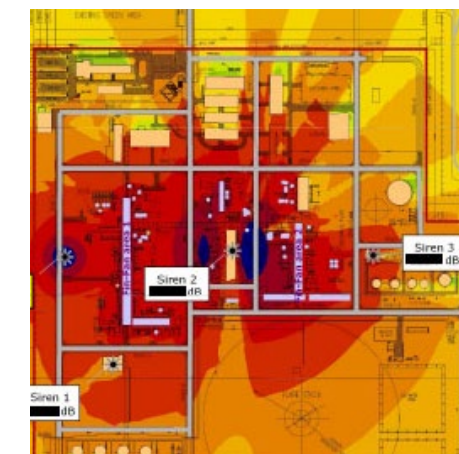
- prediction and reduction of the air pollution & noise coming from the facility
- model calculations to determine interior and exterior air quality & noise levels
- air quality & noise prediction at workplaces
- design of noise insulation for control rooms at industrial facilities
- acoustic studies to verify PA/GA systems
- vibration reduction design for machinery



KUWAIT OIL COMPANY: LFHO NOISE ASSESSMENT



SAUDI ARAMCO: BASELINE, PA/GA AND INDOOR ACOUSTIC DESIGN FOR PETRO RABIGH II DEVELOPMENT



QATAR FUEL ADDITIVES COMPANY: BASELINE AND PA/GA NOISE STUDY, INCL. MEASUREMENTS



VISONTA AND BÜKKÁBRÁNY IN HUNGARY

ARCHITECTURE

Architectural planning nowadays faces more and more the challenge of sustainable environmental friendly development. While still being in the planning phase, VIBROCOMP predicts the air quality noise & vibration impact of future developments. Architects benefit from our model prediction when considering an environmental friendly and sustainable development with comfortable interior noise levels.

SERVICES INCLUDE

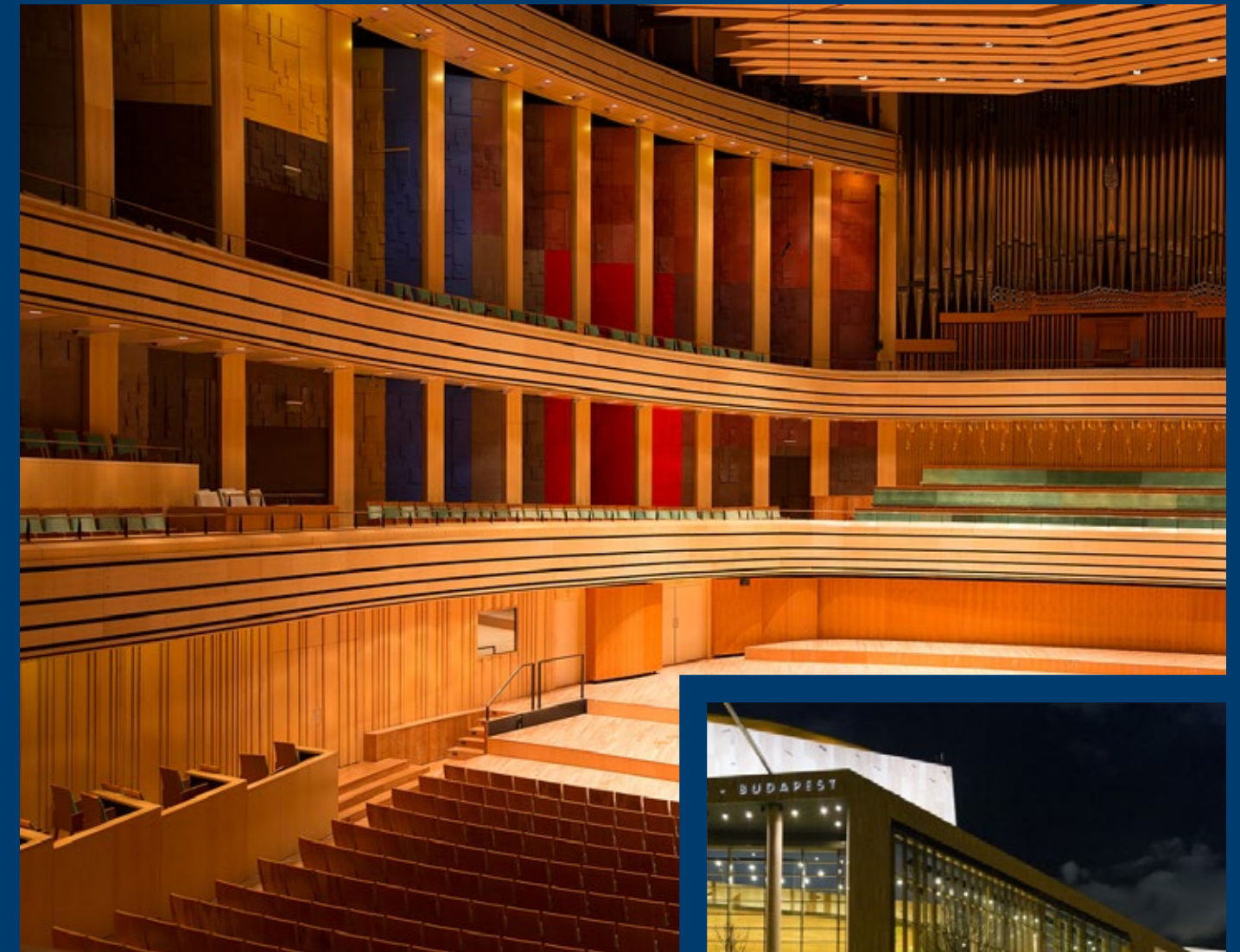
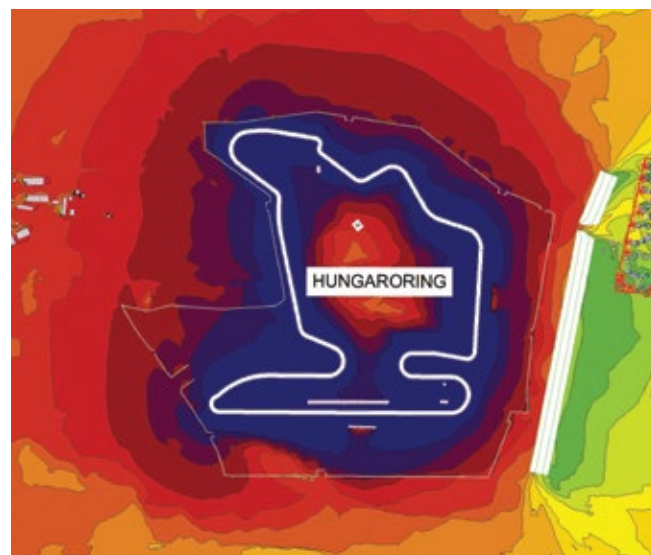
- to determine the future air quality & noise effect on residents, and if mitigation measures are necessary
- room acoustics take the environmental factor in decision, when developing your apartment layouts
- location of sensitive buildings: our model will show you the present and future green zones in the development area, and where it is recommended to put the sensitive buildings
- mitigation measures: if reduction measures are necessary we deliver the acoustic design and the cost prediction
- interior acoustic design for high-end developments (theaters, cinemas, and auditoriums,...)



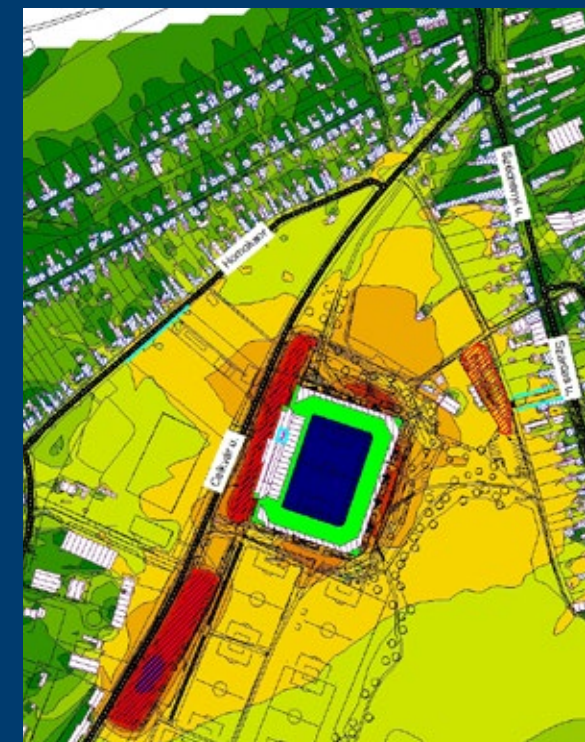
NOISE BARRIER DESIGN FOR SHEIKH KHALIFA HIGHWAY, ABU DHABI



NOISE MODEL FOR THE FORMULA 1 RACING CIRCUIT HUNGARORING

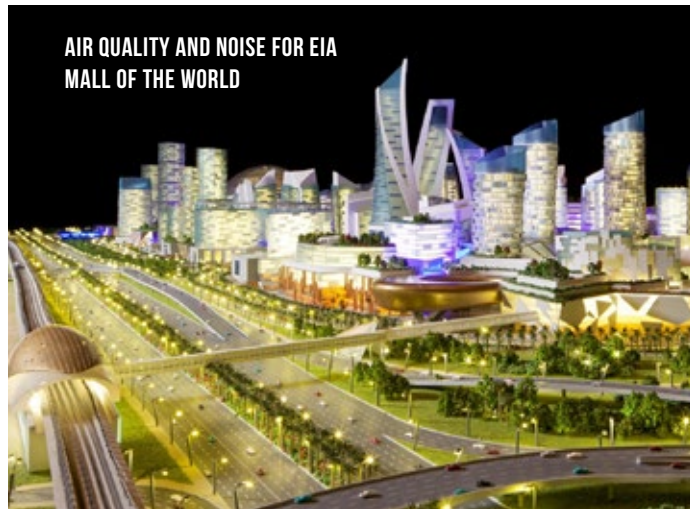


ACOUSTIC NOISE STUDY FOR THE PALACE OF ARTS IN BUDAPEST



ACOUSTIC DESIGN FOR SPORT FACILITIES
/SZÉKESFEHÉRVÁR STADIUM/





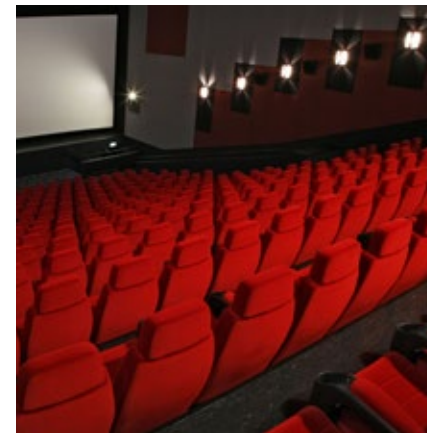
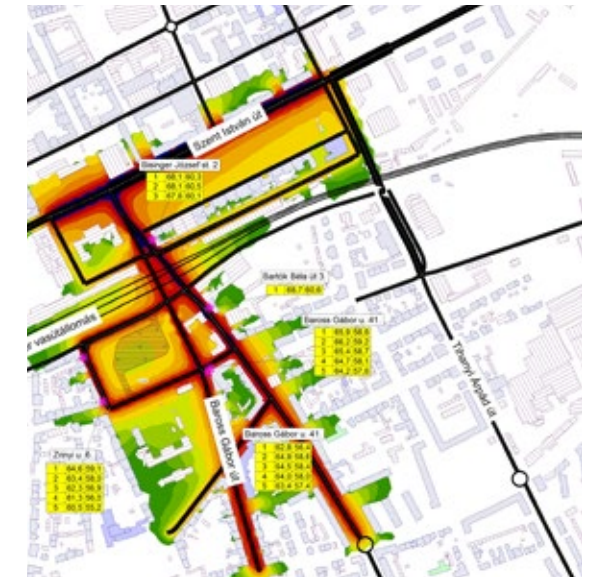
AIR QUALITY AND NOISE FOR EIA
MALL OF THE WORLD



AIR QUALITY AND ACOUSTICS FOR THE BUDAPEST OLYMPIC CENTRE



ACOUSTIC DESIGN GYOR TRAFFIC HUB



ACOUSTIC DESIGN WESTEND SHOPPING
MALL



ACOUSTIC DESIGN FOR THE NATIONAL UNIVERSITY OF PUBLIC SERVICE



GREEN BUILD-
ING /BREEAM/
STUDY AKA-
DEMIA PARK
OFFICES



ACOUSTIC DESIGN HOTEL EURO-
PEUM BUDAPEST



ACOUSTIC DESIGN SPIRIT HOTEL THERMAL SPA



UNIVERSITIES

VIBROCOMP follows the company policy and invests in education, by holding seminars at Universities and giving student internships at VIBROCOMP HQ in EU. The aim of the internship is to educate civil and environmental engineering students in the practical use of environmental air, noise and vibration pollution solutions.



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www.VIBROCOMP.COM

THE AIR QUALITY, NOISE AND VIBRATION EXPERTS

EUROPE – MIDDLE EAST – CHINA

E-MAIL: INFO@VIBROCOMP.COM