

YURIY SHCHELOKOV

Date of birth: 22/06/1985

Nationality: Russian

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Address: 20, Gakkelevskaya street, St-Petersburg, Russia

01/2004 – 02/2008

LABORATORY ASSISTANT – Saint-Petersburg Marine Technical University

Organized and coordinated laboratory workflows.

Lectured physics for students.

04/2008 – 05/2012

ACOUSTIC ENGINEER – JSC “Center Technology of shipbuilding and shiprepair”

Performed calculations of airborne noise and vibrations in residential, public and service premises of ships, submarines and determined the sufficiency of the implemented measures to ensure sanitary standards.

Carried out acoustic tests in laboratory (measured sound insulation, sound transmission loss, sound absorption coefficients, mechanical loss factor).

Measured sound pressure levels and vibrations in premises of warships, submarines.

Developed methods of acoustic measures.

Created new acoustic materials and constructions.

04/2013 – 10/2016

DEVELOPMENT DIRECTOR – LLC “WOLF BAVARIA”

Developed the company in the field of promising materials for soundproofing in construction.

Provided technical support for the application sound insulation materials for different types of noise protection systems.

Conducted negotiations.

Established dealer network.

Participated in science conferences and exhibitions.

07/2015 – 09/2020

SENIOR PHYSIC – Russian Research Center "Applied Chemistry"

Carried out tests at workplaces (measured parameters of noise, vibrations, atmosphere pressure, temperature, humidity, etc.).

Prepared and maintained document flow to ensure the technical requirements.

Improved the internal standards of the organization.

05/2015 – 09/2020

LEADING ACOUSTIC ENGINEER – Center Technology of shipbuilding and shiprepair

Managed a group of acoustic specialists.

Carried out research and development work in the field of noise control systems.

Performed calculations of airborne noise and vibrations in residential, public and service premises of ships, submarines and determined the sufficiency of the implemented measures to ensure sanitary standards.

Performed calculations of airborne noise in premises of shipyards, plants, buildings.

Carried out acoustic tests in laboratory (measured sound insulation, sound transmission loss, sound absorption coefficients, mechanical loss factor).

Researched sound insulation and vibration damping materials.

Measured sound pressure levels and vibrations in premises of warships, submarines.

Developed methods of acoustic measures.

Created new acoustic materials and constructions.

09/2014 – 12/2020

GENERAL DIRECTOR – LLC “Acoustic Calculations”

Managed company.

Concluded contracts with customers.

Measured acoustics.

Created acoustic laboratory with modern measuring equipment.

Provided 3D acoustic modeling for different objects (plants, buildings, equipment, culture centers, energetic objects, transport systems).

Developed noise reduction systems.

Developed a new theory to predict sound insulation for multilayer constructions.

Created new precision software “WALLS” to predict sound insulation for multilayer constructions.

Completed acoustic projects in the field of noise control and noise modeling for:

1. Plant “Coca-Cola” (measurement of noise and vibration levels, calculating noise maps, development noise reduction systems for workplaces, Saint-Petersburg);
2. Plant "Ariston Termo Rus" (measurement of noise and vibration levels, calculating noise maps, development noise reduction systems for workplaces, Saint-Petersburg);
3. Brewery "Baltika" (measurement of noise and vibration levels, calculating noise maps, development noise reduction systems for workplaces, Saint-Petersburg);
4. Brewery "Heineken" (measurement of noise and vibration levels, calculating noise maps, development noise reduction systems for workplaces, Saint-Petersburg);
5. CJSC SSMO "LenSpetsSMU" (reducing the noise of the built-in car parking, Saint-Petersburg);
6. CJSC "Construction Trust" (noise and vibration reduction of boiler houses, Saint-Petersburg);
7. CJSC "Renaissance Construction" (development of a soundproof floors, Saint-Petersburg);
8. JSC "Melon Fashion Group" (project to reduce noise against the sewing shop, Saint-Petersburg);
9. GBUZ NII-KKB No1. Regional Krasnodar Hospital – Center for Thoracic Surgery (acoustic measurements, detection of acoustically weak structures, Krasnodar);
10. CJSC “Stockmann” (noise reduction from the Refrigeration Center of the shopping center Saint-Petersburg);
11. LLC "TMG Group" (noise reduction from the chillers of the Four Seasons Hotel Lion Palace in Saint-Petersburg);
12. Trade company "Real" (acoustic measurements on the territory of residential development from work chain store, Saint-Petersburg);
13. LLC "ATLAS PROJECT" and LLC "Arma-Electropanch" (noise protection project for residential complex "Filigrad", Moscow);
14. HOA Karpinsky 33 (noise reduction project from the pumping station, Saint-Petersburg);
15. Mikhail Prokhorov's apartments (Development of soundproof structures, assessment of the acoustic parameters of the premises, Moscow)
16. LLC "Architon" (acoustic measurements for the orchestra pit of the theater "Music- Hall", Saint-Petersburg);
17. LLC “Wolf Bavaria” (soundproofing project for JAK productions recording studio, Germany);
18. X5 Retail Group (noise reduction project in a residential area from ventilation equipment installed on the roof of the shopping mall "Milya", Moscow);

19. Laboratory for testing high-speed diesel engines "MGTU them. N.E. Bauman (noise and vibration reduction project for the test bench, Moscow);
20. "DDT-RECORDS" (project of sound insulation of enclosing structures for the studio sound recordings, Saint-Petersburg);
21. JSC "Vozdukhotehnika" (project to reduce the sound power level for the station Saint-Petersburg Subway);
22. LLC "ST-Stroy" (calculated sound insulation of different constructions, Moscow);
23. LLC "KM-Stroy LLC" (vibroacoustic studies during the operation of an elevator equipment, Saint-Petersburg);
24. JSC "Kazan Motor-Building Production Association" (protection project from noise for the Zelenodolsk Machine-Building Plant);
25. JSC "International Airport Sheremetyevo" (assessment of the noise level from the work refrigerating machines AERMEC NSM 2652 F A PH, 3D modeling, development noise control systems, Moscow);
26. PJSC Gazprom and Hamon ETP GmbH (measurement of noise and vibration levels of air cooling, issue of measurement protocols, Saint-Petersburg);
27. Penthouse residential complex "Royal Park" (acoustic measurements and calculations, development soundproofing solutions for world famous Russian gymnast A. Kabaeva, Sochi);
28. LLC "Precision" (calculation of sound insulation of airborne and impact noise, Moscow);
29. LLC "Spetsgazenergmash" (measurement of noise and vibration levels, Saint-Petersburg);
30. LLC "Terminal Savelovo" (noise protection project for the summer terrace of the restaurant "Community", Moscow);
31. LLC "Sk Pragma stroy" (measurement of noise levels, design of noise protection screen from diesel generators, Saint-Petersburg);
32. Company "Bonava" (measurement of noise levels, vibrations, project to reduce noise from elevators in residential complex, Saint-Petersburg);
33. LLC "Residential complex "Polyustrovo" (noise protection project, Saint-Petersburg);
34. LLC "DoorHan - Trading House" (checking the sufficiency of noise protection for 24-apartment building, acoustic calculations, development recommendations);
35. SP Estrin K.V. (design of sound insulation constructions, Moscow);
36. LLC "Front Acoustic" (vibroacoustic studies during the operation of a musical equipment at the restaurant "HITCH", Saint-Petersburg);
37. LLC "Front Acoustic" (vibroacoustic studies during the operation of the chillers, Saint-Petersburg);
38. LLC "Installation and Construction Department Mayak" (noise protection project for restaurant "Partiya", Moscow);
39. KGKU "Customer Service of the Ministry of Construction of the Kamchatka Territory" (noise protection project for the "Spartak Stadium". Development noise barriers. Petropavlovsk-Kamchatsky.);
40. LLC "Levitek" (noise protection project for 3 dormitories);
41. Branch of PJSC "OGK-2" - SDPP Kirishskaya (complex of multi-point noise levels measurements, calculating noise maps, development noise protection systems for personal, Kirishi);
42. CJSC "Stupinsky Chemical plant" (performing a set of multi-point measurements of the noise level, project reduction of noise levels below the maximum permissible levels at the workplaces of CJSC Stupinsky Chemical plant", Moscow);
43. LLC "Doorhan - Trading House" (calculation of airborne noise for a modular building for 30 beds for patients with community-acquired pneumonia, Moscow);
44. LLC "Doorhan" (project "Protection from noise". BVIZ building in a three-story design "A hostel for workers for 150 people with a computing point, Moscow"
45. CJSC "ABI Group" (audit of the project of measures for resonant noise from the engineering equipment of a residential building, Moscow);
46. LLC "BRUSNIKA. Specialized Builder" (development of acoustic project for obtaining an intermediate certificate BREEAM: HEA05 and POL05, Tyumen);
47. LLC "SMU-161" (performing a complex of multi-point noise level measurements and determinations, determining the propagation paths of acoustic energy, designing vibroacoustic protection against the operation of chillers and pumps for the conference hall

- of the Ministry of Economics and Finance of the Russian Federation, Moscow, IQ tower " Moscow City, floor 41);
48. Acoustic studies for a residential apartment. Moscow, Malaya Bronnaya st. 20.
 49. Acoustic research in residential complex "Triumph Palace". Moscow, Chapaevsky lane 3.
 50. Development of noise control measures for the block of diesel power plants in Vysotsk.
 51. Management company "Teorema" (Development of noise control measures for the business center "Langenzipen", Saint-Petersburg).
 52. Calculation of acoustic influence from noise in the area of the Zhivopisny Bridge, Moscow.
 53. Development method for studying the acoustic influence of a two-tier section of the Western High-Speed Diameter (WHSD) in a residential area, Saint-Petersburg.
 54. Calculation of airborne noise in the territory near the block complete transformer substation in a concrete shell for 1600 kVA, Saint-Petersburg.
 55. Development of an acoustic project for the hotel and business center "Arktika" (hotel "Azimut"), Murmansk.
 56. Soundproofing project for a music room in an office building, Moscow.
 57. Study of vibroacoustic parameters during the operation of rolling gates of a parking lot, Moscow.
 58. Acoustic design of shooting galleries, Moscow.
 59. Search for noise sources in apartment buildings, Saint-Petersburg.
 60. Examination of an acoustic project for the Arbitration Court of the Ivanovo Region.
 61. LLC "Thermo Insulations Materials" (Noise level measurements, development for events at the Petrozavodsk CHPP of the Karelsky branch, Petrozavodsk).
 62. Calculation of airborne noise levels «School of Medicine», Astana.
 63. Passing an expertize. Noise protection project. Center for Public Utilities, Saint-Petersburg.
 64. Noise study at the plant "Capella", Dzerzhinsk.
 65. LLC "Wolf Bavaria (Noise study at the "Pavlovo-Posadsky Corrugated Mill").
 66. Study of the causes of increased noise at the enterprise BSH "Household appliances" (Bosch), Saint-Petersburg.
 67. Development of noise-protective casings for engineering systems of Rublyovka, Moscow.
 68. JSC "United Energy Company" (Acoustic survey of the building of the transformer substation BKTP 4501, located: Moscow, Pervomayskoye settlement, residential complex "Gorchakovo");
 69. JSC "United Energy Company" (Acoustic survey of transformer substations TP 24480 and TP 24481, justification at the address: Moscow, Bolshaya Naberezhnaya street, 9 p. 1).
 70. JSC "United Energy Company" (Acoustic survey of transformer substations TP 28253, justification at the address: Moscow, Kastanaevskaya st., 18).

Carried out 3D modeling of the acoustics of the halls (ensuring high-quality room acoustics):

1. LLC "Adavis" (sports and health center in Mozyr, (Belarus). Warm-up room);
2. JSC "KBP" (radio studio, Tula);
3. Social Development Support Fund "Renaissance" (Orthodox Church, Samara "Southern City");
4. LLC "Sverdlovskaya 38" (Church of the Holy Healer Panteleimon, Saint-Petersburg);
5. LLC "Architon" (Grand Sports Arena "Luzhniki", design and acoustic measurements to confirm the FIFA requirements for the World Cup, Moscow);
6. LLC "Intervim" (office premises such as open-space VEEAM, Saint-Petersburg);
7. LLC "Wolf Bavaria" (Glinka children's art school, Moscow);
8. LLC "Sunbury Heights Construction" (negotiation rooms "Ladoga", "Yenisey" for open-space offices of Bloomberg, Moscow);
9. MKU "ODMS MO Krasnodar" (organ hall of the Municipal Concert Hall, measurement of the acoustic parameters of the organ hall using Dirac software, construction of a 3D model and calculation by the Ray Tracing method, Development of recommendations for improving the acoustics of the hall, conducting control measurements), Krasnodar;
10. LLC "Intrast Company" (office, Larushino village), measurement, modeling, Moscow;
11. LLC "Prominzhiniring" (Big Hall of the State Budgetary Institution of Culture "Concert Hall" Moskvich" measurement of the acoustic parameters of the concert hall using Dirac software, building a 3D model and calculation by the Ray Tracing method, Development of recommendations for improving the acoustics of the hall, conducting control measurements), Moscow;

12. LLC "Main Stage" (concert venue MAIN STAGE measuring the acoustic parameters of the hall using Dirac software, building a 3D model and calculating using the Ray Tracing method, developing recommendations for improving the acoustics of the hall, conducting control measurements), Moscow;
13. LLC "Front Acoustic" (home cinema room, Saint-Petersburg);
14. LLC "Front Acoustic" (office premises of LLC "MAERSK", Saint-Petersburg);
15. LLC "TS-STROY" (Athletics arena of the State Budgetary Institution "Sports School No82", Moscow);
16. LLC "Wolf Bavaria", ("RIA Novosti" recording studios, Moscow).
17. LLC "Wolf Bavaria" (recording studios in Romashkovo, Moscow region).

09/2020 – currently

HEAD OF TECHNICAL DEPARTMENT - LLC "Soundproof European technology"

Developed internal documents of the company (Technical solutions album, technical sheets, installation instructions, work regulations).

Analyzed design and working documentation.

Prepared technical and commercial offers.

Participated in negotiations with key customers.

Concluded contracts for the performance of acoustic design, measurements and supply of sound and vibration isolation solutions.

The participation of the technical department made it possible to conclude contracts:

- to perform acoustic design and measurements in the amount of more than \$150 000.
- for the supply of soundproof materials in the amount of more than \$1 500 000;
- for the supply of vibration isolation materials in the amount of more than \$ 5 500 000.

Completed acoustic projects for:

1. MIPEK branch (Development of an acoustic project for cafe premises, Moscow).
2. JSC "Laut" (Measuring the levels of noise and vibration, development noise control measures - non-residential building of the shopping center "Salaris", Moscow).
3. LLC "MontazhSpetsStroy" (Development of an acoustic project for the Preschool educational organization for 100 places in the village. Darkush-Kazmalyar Suleiman-Stalsky district of the Republic of Dagestan).
4. LLC "Avantage-Nedvizhimost" (Development of an acoustic project for the premises Amphitheater, Saint-Petersburg).
5. LLC "KhlebProm" (Development of an acoustic project for a separate customer division, Moscow region, Noginsky district, village of Akseno-Butyrskoe, village of Kamenki-Dranishnikova, industrial passage).
6. LLC "Front Acoustic" (Measuring the sound insulation of windows in the residential complex "Valo", Saint-Petersburg).
7. LLC "Vtormetall" (Development of working documentation "Acoustic solutions" for home cinema, Vladivostok).
8. LLC "Terra-Plus" (Development of the project of architectural and building acoustics for object "School of Dances", Saint-Petersburg).
9. LLC "Front Acoustic" (Development of a project of architectural and building acoustics for object "Restaurant complex River", Saint-Petersburg).
10. SP Ugolkov A.V. (Development of a project of architectural and building acoustics for object "Radio House, Saint-Petersburg).
11. LLC "Brusnika" Development of the project "Protection from external noise" for passing BREEAM certification under section SE04 Noise pollution of the following facility: "A complex of multi-storey residential buildings with non-residential premises, underground parking "River Port, Stage 1", Tyumen"
12. LLC "Brusnika" (Development of the project "Protection from external noise" for passing BREEAM certification under section SE04 Noise pollution of the following facility: the first, the second, third stages of the Residential complex "River Port, Stage 2", Tyumen region).

13. LLC "Montazhspetsstroy" (Development of an acoustic project for the Middle secondary school for 80 places in the village Khasanai, Babayurt district of the Republic Dagestan).
14. LLC "Brusnika" (Development of the project "Protection from external noise" for passing BREEAM certification under section SE04 Noise pollution of the following facility: "A complex of multi-storey residential buildings with non-residential premises at the address: Tyumen, Uraiskaya street. Residential building GP-1.1 (DUO01), GP-2 (DUO02), GP-3 (DUO03). GP-4 (DUO04)").
15. LLC "Brusnika" (Development of the project "Protection from external noise" for passing BREEAM International 2016 HEA05 and POL05 Residential Certifications in Yekaterinburg: "Apartment residential building with built-in premises public purpose, parking lot on Papanina street, Yekaterinburg, Russian Federation").
16. LLC "French" (Development of noise control measures for a restaurant, Saint-Petersburg).
17. LLC "Pioneer" (Development of vibration isolation solutions from Subway, Moscow).
18. LLC "Partner", Kronstadt shipbuilding plant (Development noise control measures for the test bench of gas turbine unit, Kronstadt).
19. LLC "Front Acoustic" (Development of an acoustic project, for plant ESAB, Saint-Petersburg);
20. LLC "Brusnika" (Development of the project "Protection from external noise" for passing BREEAM International 2016 HEA05 and POL05 Residential Certifications in Yekaterinburg: "Apartment residential building with built-in premises for public purposes, parking lot on Papanina street, Yekaterinburg, Russian Federation").
21. OOO "Front Acoustic" (Measurement of noise levels, in the premises of a restaurant "Ligovskiy 43-45", Saint-Petersburg).
22. LLC "TPC" Ordynka "(Development of noise control measures for home cinema, located: Tver region, Konakovskiy district, s.p. "Zavidovo", village Kabanova).
23. PJSC MMC "Norilsk Nickel" and LLC "NN-Service" (Development of noise control measures for the Conference Hall, located in the sports and recreation complex "Ayka": Norilsk, st. 50 years of October, 6).
24. Educational Foundation LLC "Talent and Success" (Delta-Sirius) (Measuring sound insulation in the hotel complex, , Prospekt Triumfalny, 1, Sochi).
25. LLC "Front Acoustic" (Development of a solution for sound insulation of premises of plant LLC "Caterpillar Tosno", Saint-Petersburg).
26. LLC "Front Acoustic" (Development of recommendations for increasing the sound insulation of Residential apartment, Rublevskoe highway, Moscow,).
27. LLC Firm "DATA-S" (Development of noise control measures for the Home cinema; Dubrovka village, Dmitrovsky district, Moscow region).
28. SP Galstyan Eduard Valerievich (Development of recommendations for increasing sound insulation of a residential apartment, st. Mosfilmovskaya, Moscow).
29. CJSC "Prominkom" (Development of control noise measures for the Administrative and office center with underground parking, Moskovsky pr., Saint-Petersburg).
30. SP Ananin Anton Alexandrovich (Development of solutions that provide an increase in sound insulation ability of enclosing structures for a residential apartment, st. Pozharsky, Nizhny Novgorod).
31. LLC "Brusnika" (Final assessment after completion of construction. Acoustic characteristics (HEA 05) for the Complex of multi-storey buildings with non-residential premises in 5th Zarechny microdistrict in Tyumen).
32. SP Antokhina Lyubov Stepanovna (Development of measures to protect against noise from built-in car parking premises Apartments, Zvonarsky per., Moscow).
33. LLC "Zabili Sahar" (Acoustic measurements of noise levels during normal operation speakers Bruel & Kjaer 4224 in the apartment of the residential complex "Trinity", Saint-Petersburg).
34. LLC "T-TRI" (Calculation of sound insulation of a door structure for a Multifunctional residential complex, Moscow).
35. LLC "Ilsky Refinery named after. A.A. Shamar" (Development of noise control measures for Commercial premises "Garage 18", Moscow).

Modern acoustic software skills:

- WALLs is a program for calculating the sound insulation of multilayer structures. Author and developer;
- AIST-3d - program for modeling acoustics of halls;
- Predictor-Lima - program for calculating external noise in a residential area;

- iNoise - program for calculating external noise in a residential area;
- NoiseAtWork - noise modeling and mapping software;
- AWP "Acoustics" - a program for calculating noise in the premises of buildings and on the territory;
- SHUM 2008 - The program for the acoustic calculation of noise on ships,
- Pulse LabShop - software for Bruel&Kjaer vibroacoustic equipment;
- EASE 4.4 - 3B program for modeling the acoustics of halls and rooms;
- SoundFlow - a program for calculating the acoustic parameters of structures;
- Comsol MultiPhysics - a complex for modeling physical processes by the finite element method;
- MathCAD 2014, AutoCAD 2012, Microsoft Office, etc.

Modern measuring equipment owned:

- Spectrum analyzer Bruel&Kjaer 2250;
- NTI XL2 sound analyzer;
- Sound level meter Bruel&Kjaer 2236;
- 2-channel analyzer ZetLab -017;
- 4-channel vibroacoustic module National Instruments USB-4431.

ADDITIONAL INFORMATION

Advantages

Analytical mindset, expertise in physics, acoustics, knowledge of measurement techniques, evaluations, forecasting of vibroacoustic parameters (civil engineering, shipbuilding, industry), author of the theory of calculation of sound insulation of multilayer structures on the basis of which the software was created providing WALLs.

UNDERSTANDING SPEAKING WRITING

| Language | Listening | Reading | Spoken production | Spoken interaction |
|----------|-----------|---------|-------------------|--------------------|
| English | B1 | B2 | B1 | B1 |

Organisational skills

In terms of leadership experience, I was responsible for teams with more than 10 members