

FRAMEWORK PROGRAM PROJECT*
OF THE V ANNUAL HDD ENGINEERS ADVANCE TRAINING SEMINAR

Kazan • 02-07th February, 2015

February, 02. Monday		
Time		
08.00 - 09.00	Breakfast	
	Training subject	Lecturer
09.00 - 09.30	Registration. Coffee Reception.	
09.30 - 09.40	Official opening of the seminar. Introduction of the visitors and seminar lecturers. Practical arrangements concerning the training seminar schedule.	Mr.Alexander Isaakovich Breidburd , President IAS HDD, Head «Trenchless technologies» subcommittee, Head NOSTROI underground space development committee, General Director LLC «Neftegazspetsstroy» / «UNIRUS» Group, Kazan, Russia
09.40 - 10.00	Current state of norms and specifications, regulating HDD activities on the territory of Russian Federation. Comparison study of other countries documents.	Mr.Sergey Nickolayevich Alpatov , President Russian Trenchless Technologies Adoption Association «ROBT» NCO, General Director «Underground installations, industrial and civil works construction specialists union» NCO St.-Petersbutg, Russia Mr.Sergei Yevgenievich Kaverin , Vice-President IAS HDD, Deputy General Manager LLC «SU-91 Inzhsetstroy», Moscow, Russia Mr.Yevgeni Vladimirovich Schekudov Director of JSC CSRIC «RS «Tunnels and tubes», Moscow, Russia

10.00 - 11.30	HDD Technology bases. Fundamental principles of the 2.27.17-2011 NOSTROI Standard «Underground utilities installation using horizontal directional drilling method».	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS», Group, Kazan, Russia
11.30 - 13.00	Special aspects of designing and approval of trenchless installations in the restrained urban conditions. HDD method in sewage intervals construction know-how.	Mr.Roman Nickolayevich Matviyenko, Engineering Manager LLC «SU-91 Inzhsetstroy», Moscow, Russia
13.00 - 14.00	Lunch	
14.00 - 15.00	Special aspects of design documentation approval, receiving work authorization and handing over the built-as while crossing the railways using HDD technology.	Mr.David Surenovich Manvelov, General director LLC «SU-91», Moscow, Russia
15.00 - 17.00	HDD Technology: Work planning. Project preparation.	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS», Group, Kazan, Russia
17.00 - 19.00	Norms and specifications regulating HDD activities. Special aspects of underground utilities installation in HDD considering field standards: Petroleum industry. Gas industry. Railways. Highways. Pipelines. Power industry. Communications. Housing and public utilities.	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy», / «UNIRUS», Group, Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 21.30	Cultural and sports events in the «Unics» SC (sport games).	
20.00 - 21.30	Individual classes of the participants with the IAS HDD management, training seminar initiators and lecturers.	

February, 03. Tuesday		
Time		
08.00 - 09.00	Breakfast	
	Training subject	Lecturers
09.00 - 10.00	HDD Technology. Plant handover.	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
10.00 - 12.00	Practical experience in HDD designing and trenchless construction, testing and handing over underwater oil and gas crossings (steel, diam. 530-1400 mm, length 500-2000 m) in accord with requirements and standards in place and the current norms and regulations of JSC «Gazprom», JSC «Transneft» and other leading VIOCs.	Mr.Azat Ablakhatovich Mirkhaleev, Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
12.00 - 13.00	Work production plan in HDD technology. Regional and field aspects in construction arrangement.	Mr.Yuri Viktorovich Chernyaev, Engineering manager LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
13.00 - 14.00	Lunch	

14.00 - 15.00	Safety arrangements in construction. Specification documents. Safety arrangements in HDD. Environmental arrangement and prevention of emergencies.	Mr.Yuri Viktorovich Chernyaev , Engineering manager LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
15.00 - 16.00	«Drill Site» program for designing the project.	Mr.Yuri Viktorovich Chernyaev , Engineering manager LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
16.00 - 17.00	Price forming in trenchless construction of underground utilities using HDD technology . Comparative analysis of approaches used in Russian Federation.	Mrs.Tatyana Nickolaevna Kamalova , First deputy General director, Financial controller LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
17.00 - 19.00	Appliance of MAXI and MEGA class HDD rigs in construction of underground crossings.	Mr.Azat Ablakhatovich Mirkhaleev , Head Special Projects department LLC «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 22.00	Cultural and sports events in the «Unics» SC (sport games).	
20.00 - 22.00	Individual classes: Norms and specifications, regulating performance of the work on HDD technology. <i>«Vasilyevski» Cafeterium</i>	Mr.Mirkhaleev A.A., Mr.Chernyaev Y.V.

February, 04. Wednesday		
Time		
08.00 - 09.00	Breakfast	
	Training subject Drilling fluids	Lecturers
09.00 - 13.00	Drilling fluids as the major element of successfull accomplishment of HDD projects. Special aspects of choosing and appliance of bentonite polymeric systems for optimizing work in different soils. Economic aspects. Calculation of boring fluids components quantity.	Mr.Ruslan Farmanovich Aminov , Boring fluids Engineer LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia Mr.Marat Talgatovich Khabibullin , Director LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia Mr.Aydar Rafailovich Sabitov Director LLC «Investstroy servis» Podolsk, MR, Russia
13.00 - 14.00	Lunch	

14.00 - 15.00	Review of modern equipment. Preparing, using and recycling the boring fluid.	Ms.Marina Vladimirovna Makarova Head Sales department LLC «Spetsstroyresurs»/ «UNIRUS» Group, Kazan, Russia Mr.Ruslan Farmanovich Aminov, Boring fluids Engineer LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia
15.00 - 15.30	Main principles of the Professional standard «HDD rig operator».	Mr.Ravil Raufovich Salakhov, Director «HDD» branch of the NCO «Association of Underground Constructors» Kazan, Russia
15.30 - 17.00	Professional standard «HDD rig operator». The official duties of the major specialists.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
17.00 - 19.00	Detailed review of the boring rig structure elements. Major units and aggregates.	Mr.Marat Talgatovich Khabibullin, Director LLC «Volgaspetsstroy»/ «UNIRUS» Group Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 22.00	Cultural and sports events in the «Unics» SC (sport games).	
20.00 - 22.00	Individual classes: Boring fluids. «Vasilyevski» Cafeterium	Mr.Aminov R.F., Mr.Khabibullin M.T., Mr.Sabitov A.R.

February, 05. Thursday		
Time		
08.00 - 09.00	Breakfast	
	Training subject	Lecturers
09.00 - 11.00	Composition and arrangement of the boring rig. Technical maintenance. Norms and specifications, regulating the exploitation of HDD rigs. Service.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
11.00 - 13.00	Boring instruments. Special aspects of choosing and appliance in different soils.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
13.00 - 14.00	Lunch	
14.00 - 15.00	Demonstration of Unihammer 4.0	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
15.00 - 17.00	Basic technologies of hard to recover hydrocarbon reserves mining using HDD.	Mr.Vasiliy Ivanivich Anischenko Independent expert

17.00 - 18.00	Electrical and hydraulic schemes of the boring rig. Main elements.	Mr.Alexander Vladimirovich Klabukov Senior Engineer LLC «Spetsstroyresurs»/ «UNIRUS» Group Kazan
18.00 - 19.00	HDD technology special aspects in construction of long mileage utilities using MAXI and MEGA class rigs.	Mr.Alexander Mikhailovich Semin, Technical director «Neftegazspetsstroy»/ «UNIRUS» Group, Kazan, Russia
19.00 - 20.00	Dinner	
20.00 - 22.00	Cultural and sports events in the «Unics» SC (sport games).	
20.00 - 22.00	Additional course: Maintenance of the boring rig. Special aspects of boring in rocky soil. «Vasilyevski» Cafeterium	Mr.Alexander Mikhailovich Semin

February, 06. Friday		
Time		
08.00 - 09.00	Breakfast	
	Training subject Location systems	Lecturers
09.00 - 11.00	Theoretical bases of positioning in HDD. Review of location systems by different brands.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs»/ «UNIRUS» Group Kazan
11.00 - 13.00	UNITRAK - Newest location system presentation.	Mr.Alex Murovanny President «UNIVERSAL HDD» Chicago, USA
13.00 - 14.00	Lunch	
14.00 - 15.00	Cable location systems. Special aspects of choosing and exploitation. Practical experience in building installations of long mileage using MAXI and MEGA class rigs.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs»/ «UNIRUS» Group Kazan
15.00 - 16.00	Cable location system SNS 100 (Russia). Main principles of work, design and functions.	LLC «SENSE» representatives Ulyanovsk
16.00 - 18.00	Pilot boring planning. Problem solving. Special aspects of pilot boring calculation for steel pipes.	Mr.Aidar Ablakhatovich Mirkhaleev Technician LLC «Spetsstroyresurs»/ «UNIRUS» Group Kazan
18.00 - 19.00	Review of the Advance training course for HDD engineers.	Lecturers
19.00 - 20.00	Dinner	
20.00 - 22.00	Cultural and sports events in the «Unics» SC (sport games).	
20.00 - 22.00	Additional course: Location equipment «Vasilyevski» Cafeterium	Mr.Aidar Ablakhatovich Mirkhaleev, LLC «SENSE» representatives

February, 07. Saturday	
Time	
09.00 -10.00	Breakfast

10.00 - 13.00	Attestation
13.00 - 14.00	Lunch
14.00 - 16.00	Trip to Raifsky monastery
16.00 - 18.00	Delivery of qualification certificates
19.00 - 23.00	Summarizing the training seminar work Gala dinner in the restaurant of the «Vasilyevski» holiday center

**The Executive management of the IAS HDD Training Center continues its work on inviting horizontal directional drilling (HDD) specialists from Russia and abroad to participate in the seminar as lecturers.*