



THYSSEN SCHACHTBAU GMBH • Sandstraße 107 - 135 • 45473 Mülheim an der Ruhr

Permneftemashremont Plc

Mr. Sergey Selivanov  
8, Vladimir Kim Street,  
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Region Perm, Russia

Ihr Zeichen	Unser Zeichen AM	Telefon +49 208 3002 - 0	- Durchwahl - 253	- Telefax - 8253	45473 Mülheim an der Ruhr, 10.11.2017
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Dear Mr. Selivanov,

since early 2015 Thyssen Schachtbau GmbH has been successfully using Permneftemashremont mud motors in sizes 9 5/8, 6 3/4 and 4 3/4 inches in its well drilling projects in Russia (locations Norilsk, Volgograd, Solikamsk, Saratov), Bosnia and Herzegovina (Tuzla), United Kingdom (York) and South Africa (Botswana). These have been projects on construction of vertical and directional leaching and exploratory wells with a borehole length of 650 to 2040 m. These wells have been drilled under difficult geological conditions in predominantly hard and very hard rock formations with the use of polymer-clayey, gypsum-lime, polysaccharide saline muds (1,1 to 1,3 g/cm<sup>3</sup> density).

Over the years and across the different locations and wells mentioned, Permneftemashremont positive displacement motors have proven to entirely meet Thyssen Schachtbau tough technical requirements delivering outstanding performance and reliability as well as contributing to enhancing cost efficiency of drilling operations. Equally strong and robust are your approach to promptly handling client's inquiries and your logistical and customs support that has been provided from your locations in Perm (Russian Federation) and Poltava (Ukraine).

Thyssen Schachtbau GmbH greatly appreciates our cooperation and looks forward to its further development.

Kind regards,

**THYSSEN SCHACHTBAU GMBH**

  
ppa. Andreas Masthoff  
Head of Procurement and Logistics

  
i.A. Markus Knäppik  
Procurement

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