

Energy4Me: Visiting the Tilman-Riemenschneider Gymnasiums Osterode am Harz– 21.06.2016



On June 21st 2016 three of our members payed the Tilman-Riemenschneider Gymnasium in Osterode am Harz and its students with scientific Abitur-focus a visit in order to offer them the chance to get a closer look at the exploration as well as production of oil & gas. In the course of this we put great stress on the importance of natural gas in reaching the ambitious German CO2 reduction goals.

The students had a slightly critical opinion but were willing to learn. In advance of our presentation we gave them the chance to hand in their already existing background knowledge or possible question which we should answer during the event. About half of the students followed this offer and wrote down several questions on flashcards for us. A large proportion of information material as well as presentations used were provided by energy4me. During the presentation some highly interested students and even the present teacher participated which made the course more interactive. Since the flashcards indicated that the students barely had

any geological knowledge we put some focus on the formation and accumulation of oil&gas. Obviously there was a great thirst for knowledge in terms of drilling and hydraulic stimulation methods which was graphically explained by us using several simulations. At the end of the



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presentation we gave the participants the possibility to take a firsthand look on oil saturated sandstone cores, hand pieces of tight rocks as well as oil samples with different viscosities. This offer was enthusiastically accepted by all students since none of them ever had a chance before to get in contact with anything similar. Therefore we would like to thank Dr. Sattler from the institute for petroleum geology of the TU Clausthal.

Afterwards we gave away an energy4me book to the best student who participated in our closing quiz concerning energy problems and ways to save energy. Of course the book contained information about the exploration and production of natural gas and oil. Since the event was very well received by most of the people present the school offered us the possibility to conduct this event periodically in the future in order to encourage scientifically interested students by providing them with even more knowledge.