



There are gold mines in South Africa that are 3-4 km deep. There is a drill hole in Russia that is over 12 km long. And there are a lot of oil drill holes that are several km long. Those are deep penetrations to the earth's core. The only relatively fast way to reach the deep underground is to construct a drill hole. This is a small circular hole which must be drilled from the surface, no matter how deep it is. This is technically demanding, time-consuming, expensive, and doesn't give adequate

*concept-deep drilling*

results if something goes wrong or the target is not there (no oil in the drill hole for example).



*oil drilling*