Although the war between North and South Korea ended in 1953 de facto, it lasts as no peace settlement has been reached. Despite the fact that two countries from time to time come to the threshold of war, for some issues they may take the opportunity to collaborate in some respects. One of these issues is the pipeline project providing natural gas from Russian Federation to South Korea through North Korea. In the project that has been initiated in the 1990s, some concrete progress has been achieved from the 2000s on. Besides the economic returns of being involved in the project for South Korea that is foreign-dependant in terms of energy and North Korea that takes food aid from the United Nations, it is discussed that the project would serve to the security and stability in the Peninsula. In the study, whether constructing pipelines between countries having problems would contribute to the cooperation and to the solution of problems between the countries or not is examined in the context of projects fulfilled. Thereafter, the Russia-Trans-Korea pipeline would be analysed.