

Risk mitigation process: a case study on marine construction project at Dwisatu Mustika Bumi, Co. Jakarta, Indonesia

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Abstrak

For the last 10 years, the oil prices are rising in a substantial number, due to the fact that oil now are already in its secondary recovery, so that the production are also need to be increased by a new technology or an economical processes. Seeing transportation as the alternative, now transport by a pipeline foreseen as one solution. With the pipeline is mostly located below sea bed or in land, created the need of oil and gas industry to assess some risks contained in order to build the project. In this matter, risk management (RM) becomes a very important issue and also need to be improved. In general this research are trying to identify typical risk that lead to subsea pipeline installation down time(DT) and identify potential response to those risks related to those typical project environment. Furthermore DT is used to measured risks that are usually happened during the operation time which in this case was installation. DT has tied relation to productivity, since offshore construction which generally could not possibly be carried during bad weather. That bad weather can also stretch the transportation of crew and material during that time. This will automatically halt the construction phase during heavy weather.