



Lunchtime Technical Meeting (LTM): Catastrophic Failures in Long Umbilicals

Post Event Note on SUT Perth Branch LTM
Tuesday 4th August 2020

By Si Huai Yeaw, Perth Branch ETM Sub-Committee Member

The August 2020 SUT LTM was opened and chaired by Si Yeaw (Aker Solutions), with the Q&A session hosted by Brett Phillips (Oceaneering).

The event was kindly sponsored by; Viper Innovations.

Catastrophic Failures in Long Umbilicals was presented Viper Innovations Director – Neil Douglas. The presentation covered how the change in transmission line characteristics during a first fault condition can impact on the topside power supply (EPU), potentially resulting in a system shutdown. In addition, it was discussed that how the inclusion of passive power factor correction reactors (inductors) can sometimes exaggerate the impact of the first fault on the power source. Finally, how the first fault can lead to a catastrophic failure of the subsea connectors in certain instances was examined. Viper Innovations has also shared the presentation that is free for us to distribute to the participants (see attached).

Some feedback on the event itself:

- LTM went well overall and Brett did a good job on chairing the Q&A. No technical issues with Team and Slido.
- Have received some feedback that people were not able to join, as the Eventbrite link was blocked by the corporate IT, flagging “insecure site”. Perhaps by switching to the Webinar Jam this will be solved.
- Attendee is slightly below expectation (~36 out of 62 registered). Perhaps to seek feedback from community for future LTM topics and events.

Thank you to the SUT members, new members and guests for their attendance during the day. I would like to conclude by again thanking our sponsor, Viper Innovations for their valuable financial support without which these LTMs would not be possible.