



# **WORKSHOP IN HUMANS & MACHINES: THE HIDDEN HAZARDS**

**The International Pipe Line & Offshore Contractors Association  
GROUP 3**

[www.iploca.com](http://www.iploca.com)



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## **FEEDBACK (Suggest the top three ideas for each)**

- STOP
- START
- CONTINUE
- MEASURE



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## Things I will STOP doing

- Complaisance
- Considering operators as generic workers
- Improvisation
- Considering technical solution as the only solution



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## Things I will START doing

- Profession standard for operators (e.g. Side boom). This could be handle by IPLOCA.
- Ensure proper training of operators according the actual machine used and the terrain.
- Ensure proper assessment of operators according the actual machine used and the terrain
- To consider the comfort of the operators as increasing the level of concentration



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## Things I will CONTINUE to do

- Competency assessment by competent person
- Encourage long term relations with high skilled operators
- Train and enforce the organization on the field (e.g. line of fire, single responsible person, mentorship, etc.)
- Development of technical solutions (to combine with individual awareness)



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**Things I will MEASURE to make sure they continue to happen**

- Assessment results /individuals
- Incidents/near misses related to Humans vs Machines
- Monitor training hours and Nbr for Int/Ext individuals
- Fit for service/purpose machine monitoring