

# STOP & THINK

## Week 19 – Access, Lifting & Maintenance

You might have heard some of these questions from Operations staff:

- How are we going to access that valve?
- How am I going to clean the ultrasonic head?
- How will I get the pump from the chamber to the road?
- How do I replace the brushes on the screen?
- How do we cut the grass on that embankment?
- etc

All pretty fundamental if you put yourself in the shoes of the local Operator. Now think about those site visits you've undertaken (or visualised if you're located offshore), and think whether you were able to walk across the site or access plant safely without ducking under pipework, or stepping over pipework, etc. I'm sure at some point you've come across one or most and have numerous additional examples. I certainly have. [Is this acceptable?](#)

To capture how we have considered Access Lifting Maintainability (ALM) we produce an [ALM SCHEDULE](#). To assist with the consideration we have a [CHECKLIST](#) for considering Access Lifting Maintainability (ALM) stored in 168247 / Project Specific Procedures & Templates / B&V Guidance Notes. Additional useful resources are a BHP Billiton [poster](#) (not the best quality, but a useful guide), and the [Metric Handbook Access](#). As a reminder here are the [headline considerations](#) with respect to ALM:

ACCESS	LIFTING	MAINTENANCE
Points of process Work platform Operator points Visibility Restricted areas Plant locations Working around equipment	Lift assessment Process & service isolation Manual handling Manual handling devices Setting down Access Removal	Familiarity with site Plant & process downtime Isolation Fault procedure Auto-control COSHH Materials Working procedures Use of equipment Local power Cleaning

What's interesting, if you go on B&V iNet, One Safety Hub or the HSE websites and you will not find too much guidance or data around this subject. So hopefully the above is really useful in assisting you with considering and capturing ALM. If you look into the CDM 07 Regulations there's some key works around this area and who should be involved. A salient clause captured below:

*"99 When considering buildability, meetings should (where possible) include the contractors so that difficulties associated with construction can be discussed and solutions agreed before the work begins. When discussing **usability** and **maintainability**, involving the client or those who will be responsible for **operating** the building or structure will mean that proper consideration can be given to the health and safety of those who will **maintain** and use the structure once it has been completed. Doing this during the design stage will result in significant cost savings for the client, as rectifying mistakes after the structure has been built is always expensive"*

**A question or two to get you thinking!**

Have you inputted into your ALM on your project?

Do you feel your project ALM captures all these considerations?