

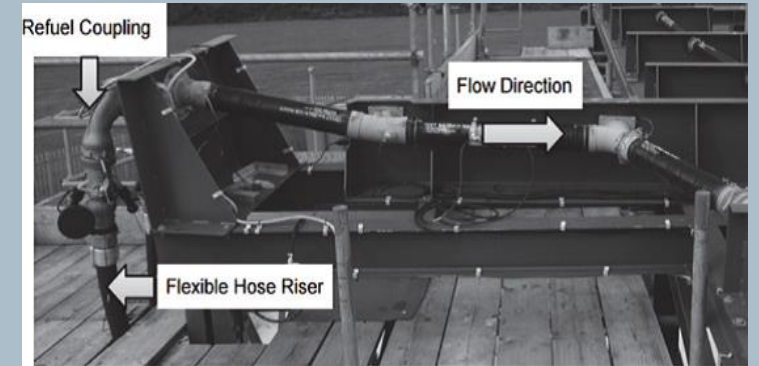


- Effort to reduce the reliance on costly test rigs
- Verified that the fuel pipework pressures did not exceed the system design limit pressures

### Validating a Simcenter Flomaster refueling model against test rig data



Aircraft refuel from airport



Aircraft refuel test rig, refuel coupling

- Verified model provided confidence that the simulation has significant potential value
- Simcenter Flomaster transient analysis for consideration of surge pressure loading

**“Given that refuel test rigs are expensive to develop, operate and cannot be readily modified, this test and simulation, as investigated by the use of Simcenter Flomaster, means that the use of full scale tests may be reduced.”**

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