Client Meeting Friday 6th of September
AITC
Chair: Alex
Secretary: Chris

Summary:

Celine has confirmed ANU vendor channel is open for communication, expectation for presentation with James, Gerard, herself and group next week. Begin wrapping up and finalising design parameters.

Actionable Items:

- Organise times with James, Celine, Gerard next week for an informal presentation that summarises the design
- Alex to finish design and work on simulation
- Paul and Steve to work on finishing cable routing, questions for ANU laser vendor and vibration analysis
- Wenjie to talk to EOS about cooling requirements after questions compiled
- Chris work on CoDR documentation

Attendance:

Steve (S), Paul (P), Chris Leow (CL), Celine d'Orgeville (CD), Wenjie (W), Alex (A)

Apologies:

Brian (B) – supervisor meeting

Agenda:

Item	Discussion	Actions + Responsibilities
Meeting Open	10:04am	
Update	S+P: Got the cable measurements in the dome and the routing. It is the limit of the control room, don't know how it will route from the control room to the telescope as no one has been there in for a long time. There is 36m to clean room. P: James said limit is about 40m but need to clarify with James CD: Floor of the clean room wall? S: Yes, I think S+P: Cable wrap assumptions 12.5m outside circumference of the cable wrap as there are internal and outside. Two half loop cable wraps. CD: Check with Mark or someone that has mechanical drawing of the cable wrap S: List of questions for the manufacturers of the laser with full constraints CD: Under contract and now have an open channel S: Hopefully done by the evening and will send it to CD this evening	

	CD: Less than 6.5 (basement of telescope), or 40m (Clean room). S: Bumped up to 7.5m for the cable wrap depending on where the cabinets are on the floor. S: James wants the auxiliary cabinet on the bench or near it. There was something 2m from the laser, but need to follow up CD: Could be piezo drivers with the laser head but it's an assumption. A: Showing CD the actual frame. Doubled up the fixing plates on the actual side. Load transfer properly into the vertical supports. CD: Not 100% certain, but present it as a 3 tiered one as not to spend too much more time on it. Just talk about it in the report A: Prevention of collapsing inserts into the carbon fibre tubes. FEA testing of the frame by the end of today. CD: Simulations? A: Yeah. Would be difficult cause it's carbon fibre, making it more difficult to test. CD: Ask EOS as they have been modelling it for a long time. Has been reviewed by Mark? A: Mark did say that he wanted to look into carbon fibre tubes and working off his recommendations. Confirm with Mark today. CD: Check approach is sound and that they would want to take the design to the detailed level. Ensuring that all time is well spent. W: Cooling design has two coolers, but now it's a cooler that can meet the 400W. looking into ThermoTech, as it can meet the requirement, but will have to sit next to the side of the interface. CD: Design approach based on requirements? Or something that EOS already have W: 270W cooler already up there	

Client Meeting
AITC
Chair: Alex
Secretary: Chris

Friday 6th of September

	CD: Encourage you to interface with EOS to see what they have and what they are planning to use. Help them make those decisions. Would be surprised that they would be purchasing more equipment helping constraints the design. Give specs for the coolers to the ANU laser S: Temperature constraint for cooler. EOS 17 degrees if ANU could run off the same than it would work and we would just have to check the power draw. CD: Important to communicate to the laser team and whether it is doable and not impossible. Cool C: Discussed with Celine the CoDR document. Showed documentation. CD: Something higher level for GSL requirements top level for ANU and EOS laser and summarise. Performance requirements and functional requirements about 6 in each. Break down the requirements into subsystem later in the document and break into functional and structural tables. Include system architecture diagrams, including services offered by telescope, interfaces, environmental. Talk to Jordan Davis as he is doing the diagrams for the systems interface.	
Plan	CD: What's the plan for the next few weeks? A: Talk to Mark and incorporate recommendations and move forward towards simulations W: Make concise list about cooler and ask EOS people and how it fits in? S: Finish up list of requirements and constraints for ANU laser. Continue with air filtration system. P: Gets back to them about the cable routing S: Brian continues with electrical interface. Simpler than initially	

Client Meeting
AITC
Chair: Alex
Secretary: Chris

Friday 6th of September

	thought. After continue vibration analysis. A: I think could do that pretty soon S: One thing is that I want vendor to know additional sensitivities it has. Vibration efficiencies and additional testing that might make it very close. CD: Remind me what is the schedule from now on. A: Last audit in wk 10 about a month from now. Poster presentation either the week after. CD: Formal meeting with James next week to converge on preliminary designs for his and my laser and that it makes sense especially to him. That he is happy. Plan to present the design as if you would at the end of the project. Summary slides. I don't think it would be wasting time. Check with James his availability. NO meeting with Gerard and if he could be present would be helpful. First thing in the morning. A: 9-11am.	
Meeting Close	10:27am	