

Optimum Planning Under Weather Uncertainties

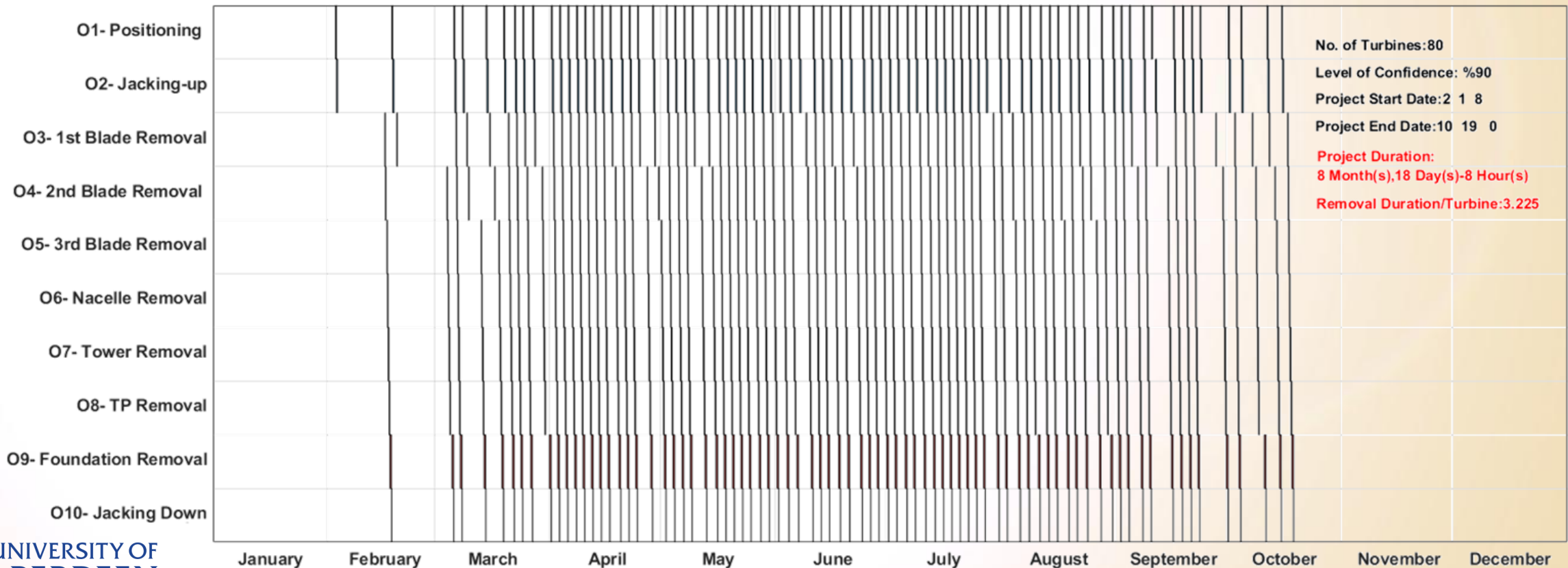
November 2021



• Why Do We Need Optimisation?

Effects of Starting Times on Project Duration

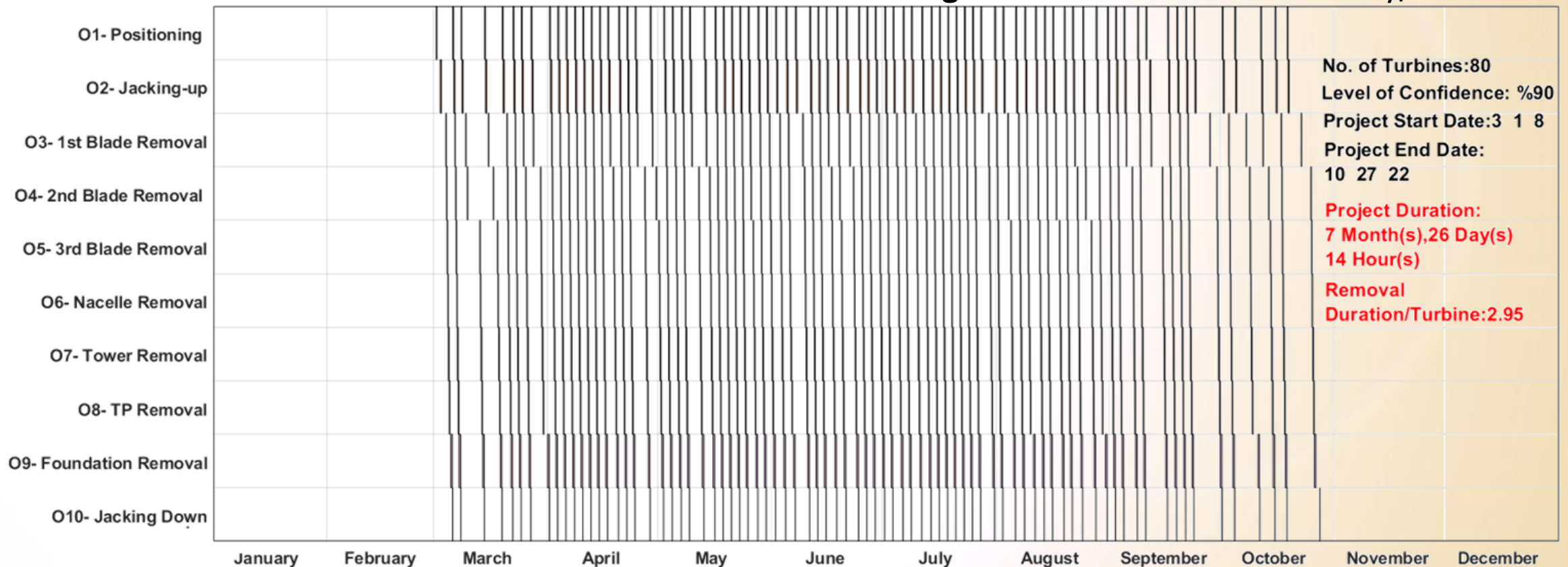
- **Level of Confidence:** 90 %
- **Project Start Date:** 1 February
- **Project End Date:** 19 October
- **Project Duration:** 8 Months, 18 Days, 8 Hours
- **Average Removal Duration:** 3.23 Day/turbine



Why Do We Need Optimisation?

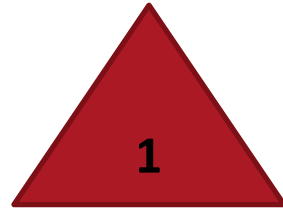
Effects of Starting Times on Project Duration

- Level of Confidence: 90 %
- Project Start Date: 1 March
- Project End Date: 27 October
- Project Duration: 7 Months, 26 Days, 14 Hours
- Average Removal Duration: 2.95 Day/turbine



- **Why Do We Need Optimisation?**

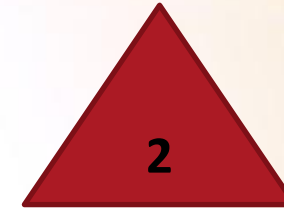
Effects of Starting Times on Project Duration: 80 Turbines



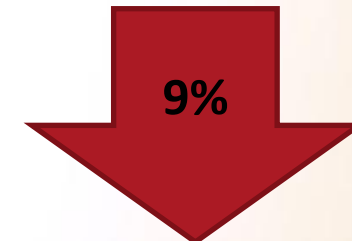
- **Project Start Date:** 1 February
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Reduction in Project Duration:

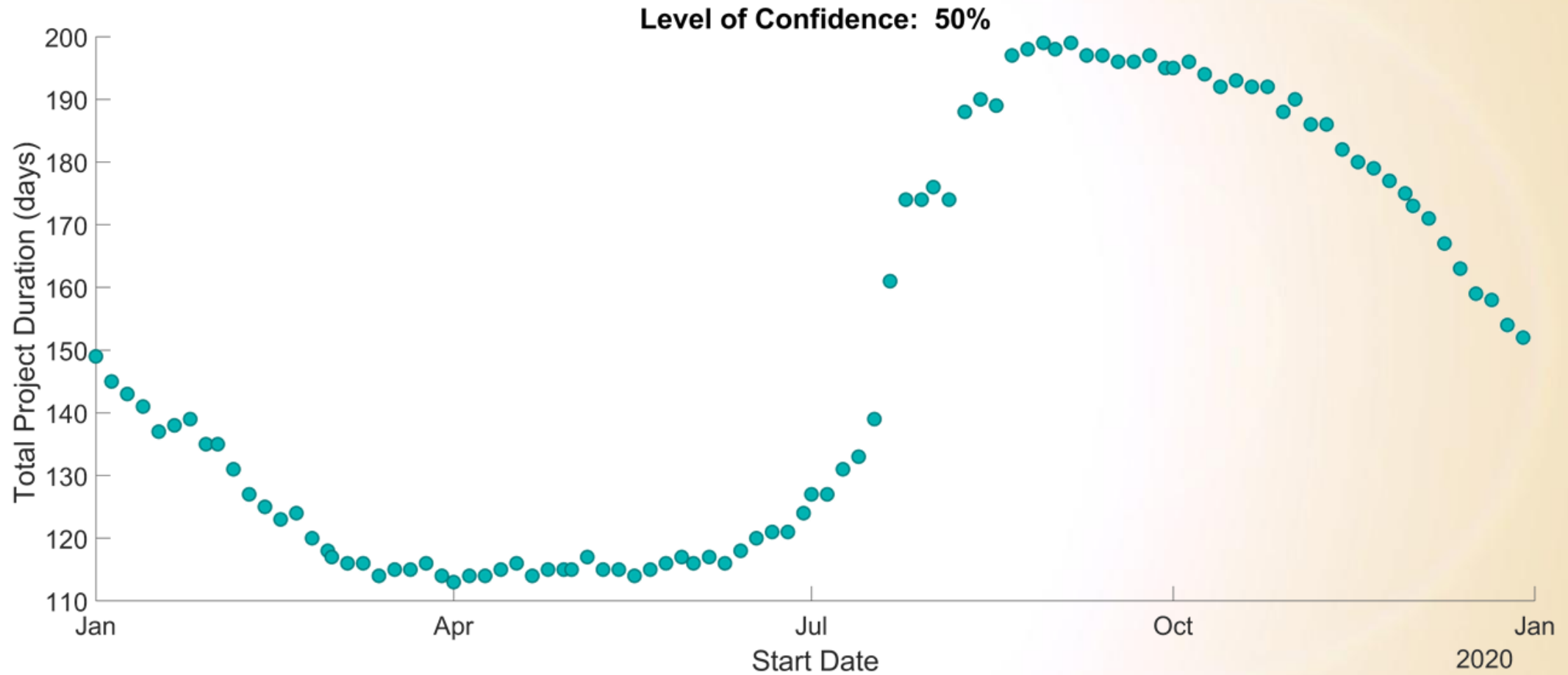
Reduction in JUV rental price:



- **Project Start Date:** 1 March
- **Project End Date:** 27 October
- **Project Duration:** 7 Months, 26 Days
- **Average Removal Duration:** 2.95 Day/turbine



Optimum Planning: Offshore Wind Farm with 50 Turbines



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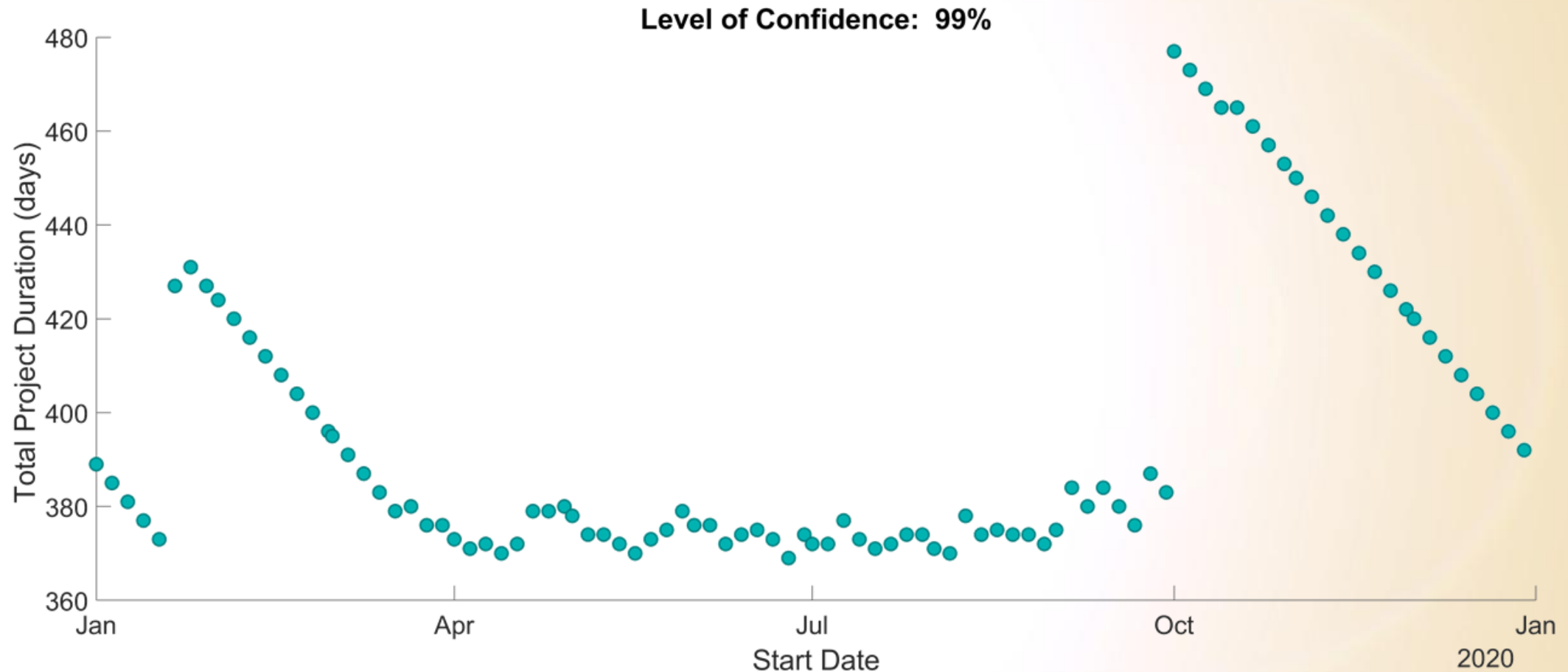
Optimum Planning: Offshore Wind Farm with 50 Turbines



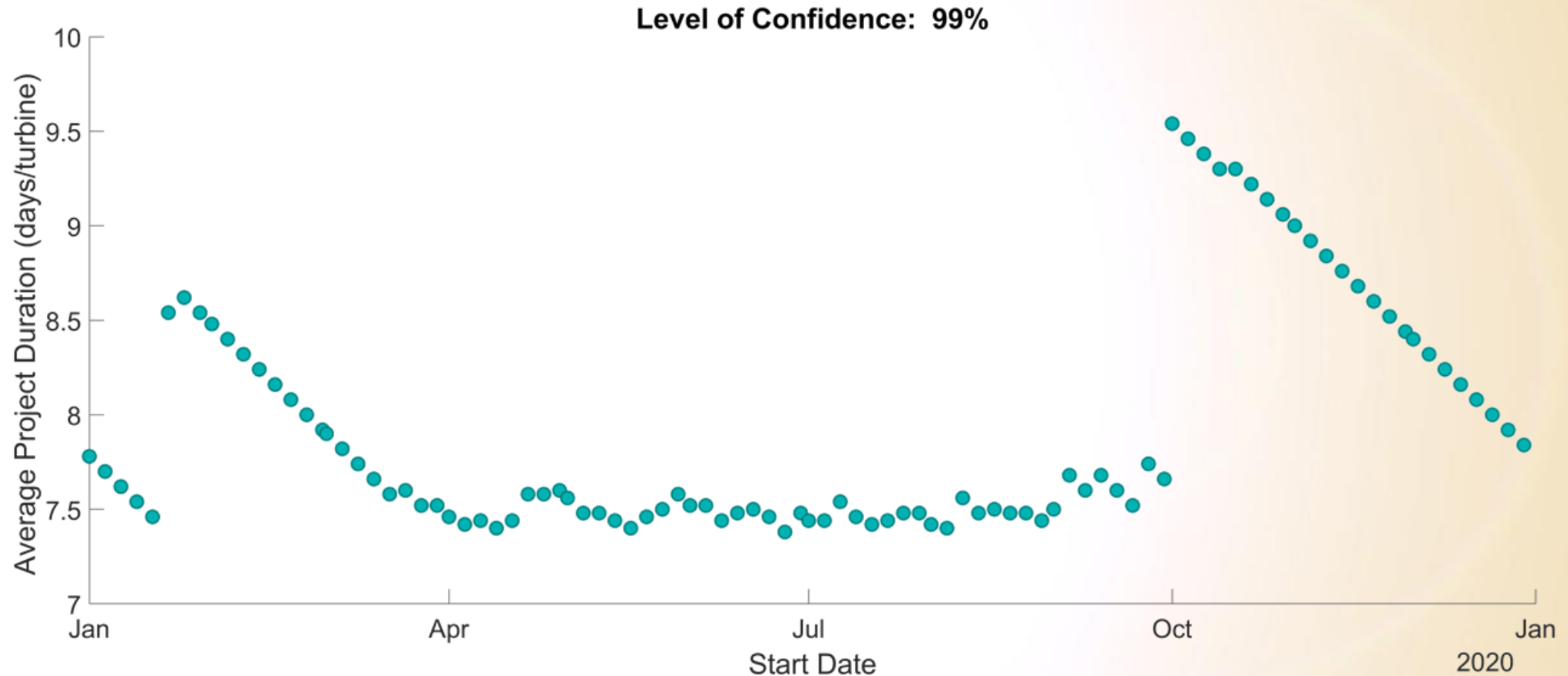
Optimum Planning: Offshore Wind Farm with 50 Turbines



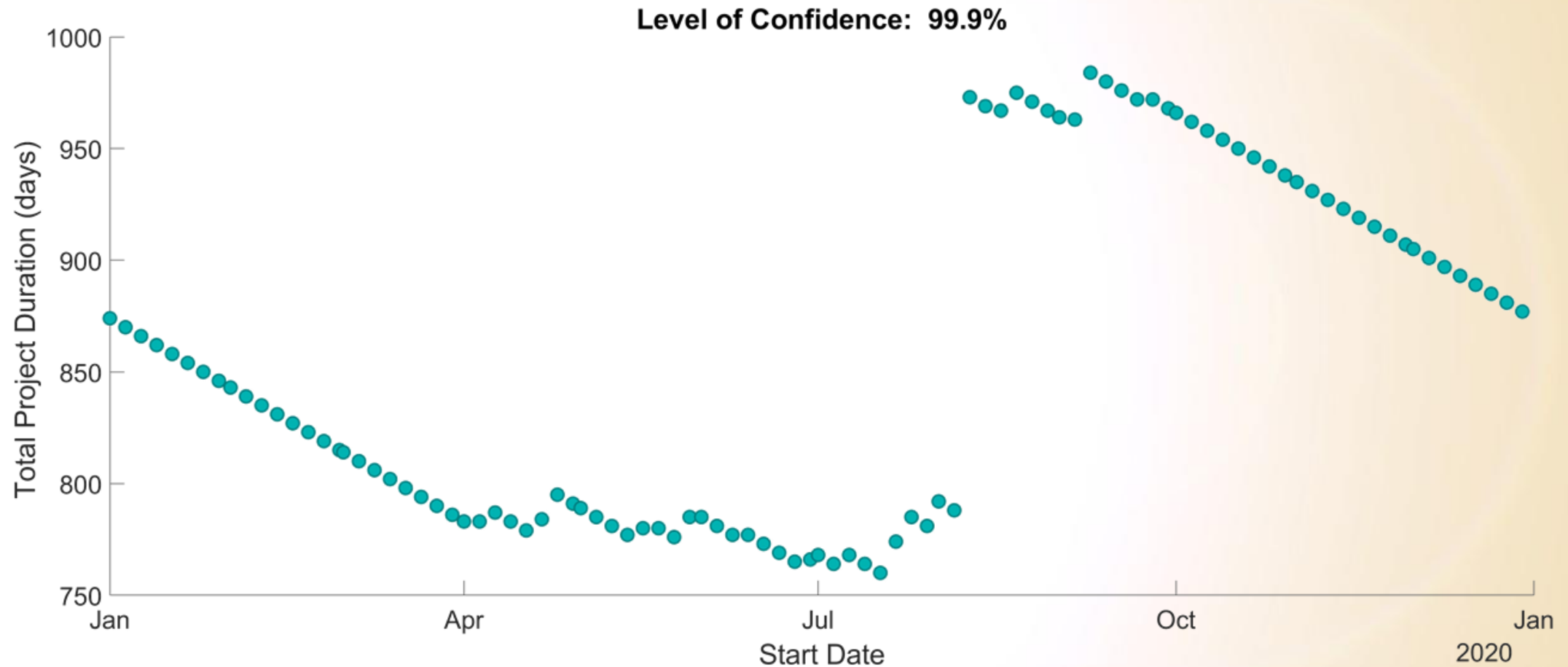
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