Tethys:

Project Schedule Forecast

Team members:
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James Belen

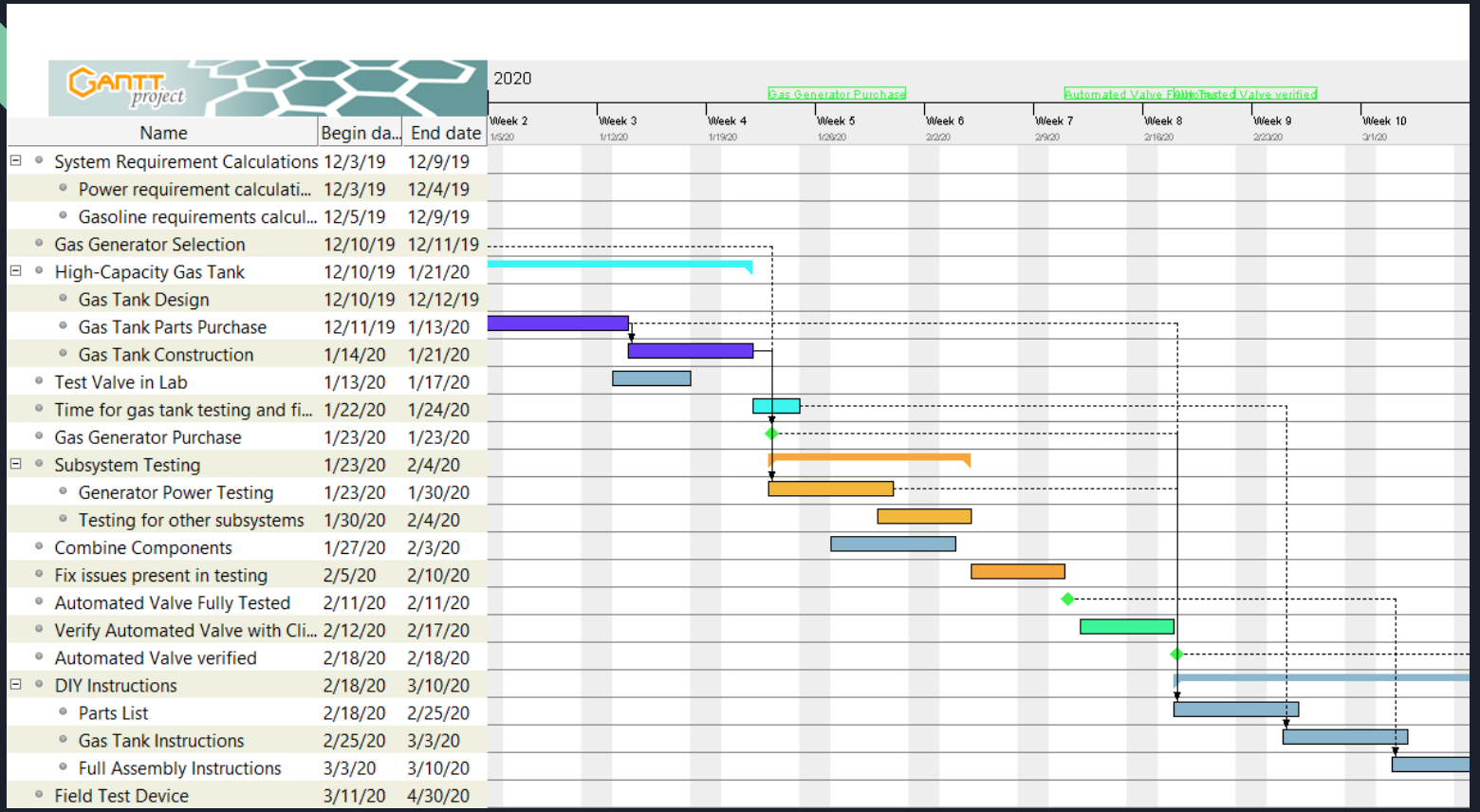
Presenter: Khalifah Khalifah

A Short Project Refresher

- Our client, Dr. Kimberly Samuels-Crow, is studying the process of water moving through the atmosphere.
- She has an instrument that makes real-time measurements of the isotopic composition of water vapor to accomplish her research.
- Our project is to design and install an automated valve for her instrument that will allow her to remotely control and analyze her readings.

Presenter: Khalifah Khalifah

Overview of Schedule



Name	Begin da...	End date
System Requirement Calculations	12/3/19	12/9/19
Power requirement calculati...	12/3/19	12/4/19
Gasoline requirements calcul...	12/5/19	12/9/19
Gas Generator Selection	12/10/19	12/11/19
High-Capacity Gas Tank	12/10/19	1/21/20
Gas Tank Design	12/10/19	12/12/19
Gas Tank Parts Purchase	12/11/19	1/13/20
Gas Tank Construction	1/14/20	1/21/20
Test Valve in Lab	1/13/20	1/17/20
Time for gas tank testing and fi...	1/22/20	1/24/20
Gas Generator Purchase	1/23/20	1/23/20
Subsystem Testing	1/23/20	2/4/20
Generator Power Testing	1/23/20	1/30/20
Testing for other subsystems	1/30/20	2/4/20
Combine Components	1/27/20	2/3/20
Fix issues present in testing	2/5/20	2/10/20
Automated Valve Fully Tested	2/11/20	2/11/20
Verify Automated Valve with Cli...	2/12/20	2/17/20
Automated Valve verified	2/18/20	2/18/20
DIY Instructions	2/18/20	3/10/20
Parts List	2/18/20	2/25/20
Gas Tank Instructions	2/25/20	3/3/20
Full Assembly Instructions	3/3/20	3/10/20
Field Test Device	3/11/20	4/30/20

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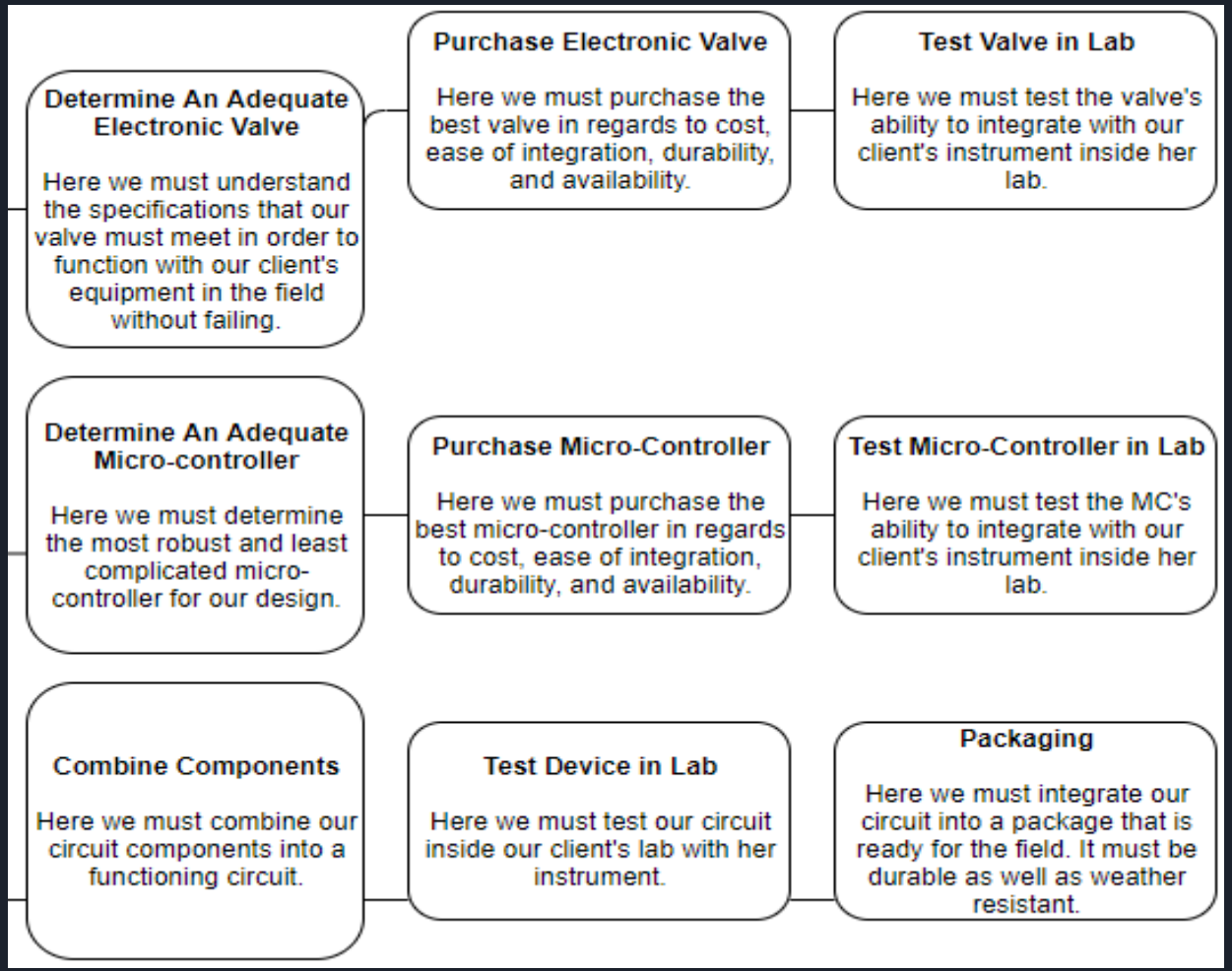
Subsystem #1:

Electronic Valve



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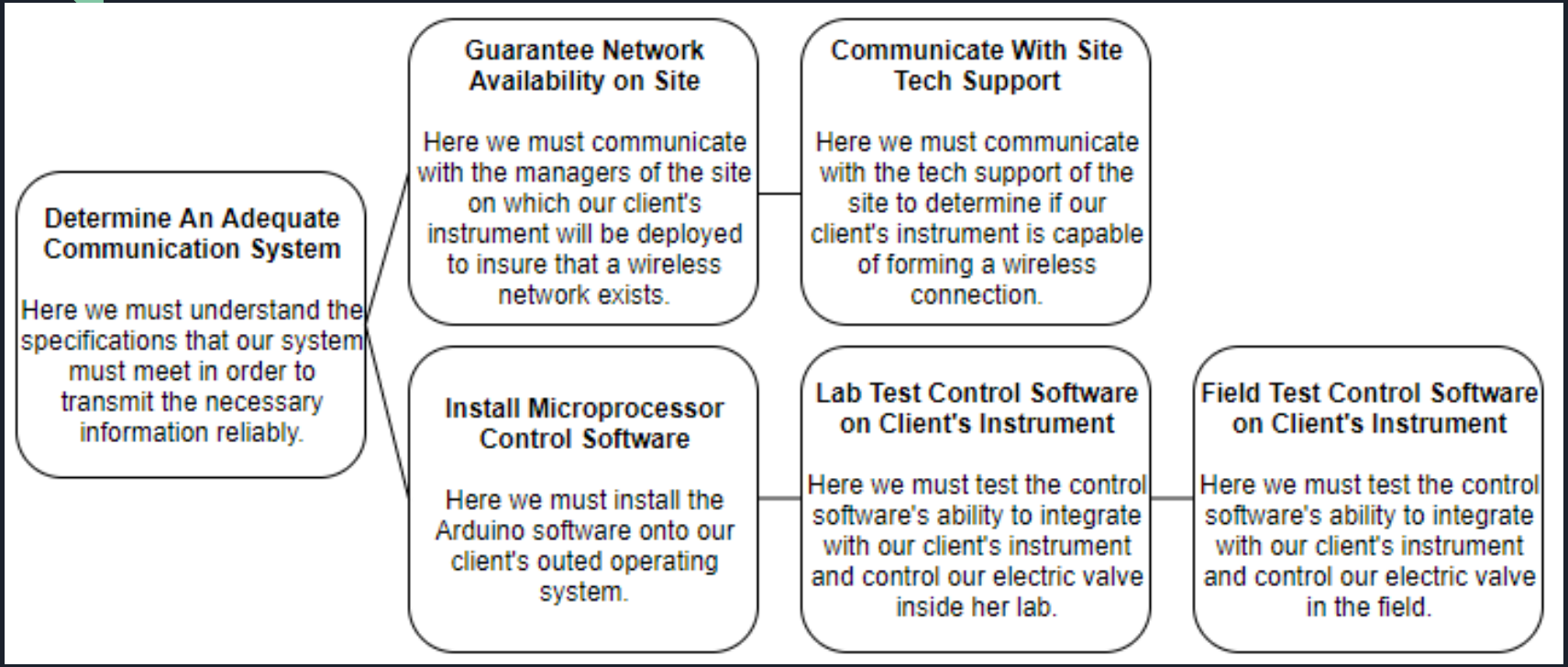
Subsystem #2:
Device Communication



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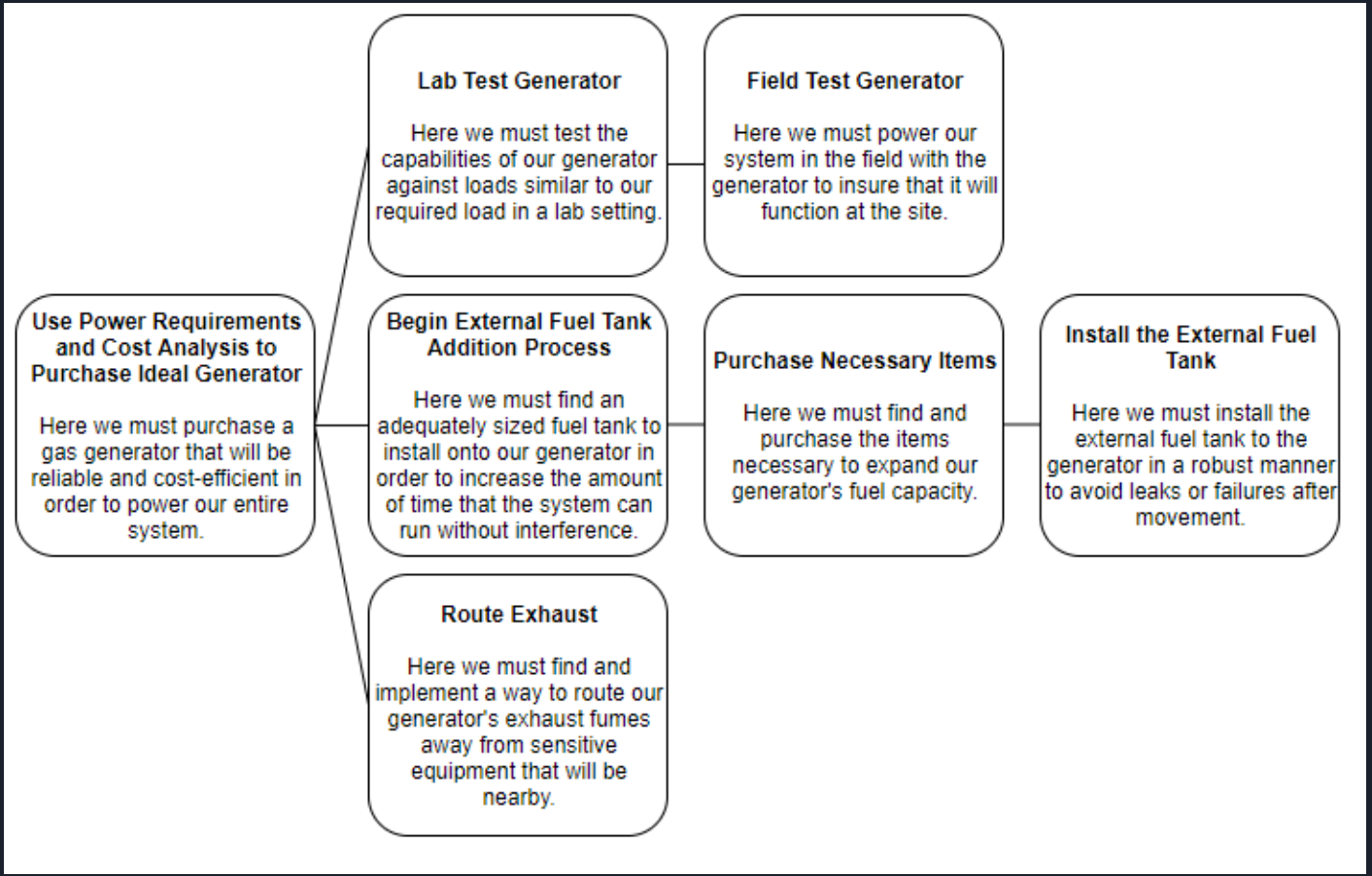
Subsystem #3:

Power System



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Conclusion of Project Schedule

- We will first see our electronic valve subsystem all the way through from testing to deployment.
- Our power subsystem will be built and tested alongside the electronic valve subsystem.
- After our power source and valve are lab tested, we will design our communications subsystem to allow us to do a field test.
- After a successful field test, we will work on our DIY document and hand over our design to our client.

Presenter: Lowell Wilkinson