X-Materials Plan:

Goals:

1. Bring data onto a centralized platform allowing for easy upload, access, and storage of their data.

2. Organize data in an intelligent and meaningful way.

Outline of Plan:

1. Understand the scope of the project.
   1. Talk with directors/managers about the extent to which Citrine is to integrate their data the get a better idea of the bigger picture.
      1. Which department will be working with? (Research, manufacturing, both, etc.)
      2. What teams produce data relevant to the product we will be working with? (Production Unit A, B)
   2. Talk with engineers/senior engineers to see the instruments that they’re using and the format that in which the data is being stored.
      1. Is data stored locally in the computer or in a server?
      2. What file format is the data being produced?
      3. Is there a database already implemented?
      4. Across groups/departments, is the same data being produced and stored differently?
2. Begin to align across departments and groups.
   1. Create/edit the schema of a database as necessary in order to centralize data storage
   2. Create protocols/scripts to automatically transfer data from each source to the database on a regular, if not, immediate basis
3. Implement and debug process.
   1. Implement process into groups across departments.
   2. Debug issues that occur.
4. Iterate Steps 2 and 3
   1. No system is perfect so improvements will be made as necessary while there is still time.