

## Plan Overview

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*A Data Management Plan created using DMPTool-Stage*

**Title:** Power Supply Process Optimization

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**Funder:** Digital Curation Centre (dcc.ac.uk)

**Template:** Digital Curation Centre

**Project abstract:**

The L3Harris facility has a set process in which the power supply unit is assembled. This process works well but could be modified to be more efficient. Tools such as 5S+1, value stream mapping, waste reduction analysis, spaghetti charts, and RULA risk scores can be used to further identify where changes can be made.

**Start date:** 02-08-2022

**End date:** 11-30-2022

**Last modified:** 02-10-2022

**Copyright information:**

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## Power Supply Process Optimization

- RULA scores to identify ergonomic risk for each step in the process
  - 5S + 1 implementation/improvements at each step in the process
  - Changes to at least 2 workstations based on risk obtained from RULA score
  - Changes to at least 2 workstations based on information obtained from value stream mapping
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- Rula scoresheet criteria
  - Value stream map
  - Spaghetti Chart
  - Observation of each task in process

Not using metadata. Documentation will be project reports of changes recommended.

All data collected will only be accessible by the team members, Dr. Parke, and Professor Juarez to prevent any unwanted leaks of sensitive data.

We will follow any instructions and guidelines given by ASU and the sponsor in case of issues regarding copyright and intellectual property rights.

All data will be stored on the team members' personal computers as well as shared with team sponsor and Professor Juarez. If data is lost, someone else will own a backup.

The only individuals given access to any data collected will be the three team members as well as Dr. Parke and Professor Juarez.

All data collected should be preserved. Conclusions made based on the data collected should have long term value and will be saved.

All data collected will be turned over to sponsor who can keep what is deemed valuable for long term preservation.

Data will be shared with Dr. Parke and Professor Juarez via email.

All data will be exclusively given to those involved and not shared with anyone outside of the project.

Project team members will be responsible for keeping a detailed record of all data.

Any resources needed for plan are yet to be seen but proper communication with sponsor will ensure plan will be completed.

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