

Review Form 3

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| Journal Name: | Current Journal of Applied Science and Technology |
| Manuscript Number: | Ms_CJAST_123675 |
| Title of the Manuscript: | Integrating Automation and Big Data in Lithium-Ion Battery Manufacturing: A case Study of the Ultium Cells Joint Venture |
| Type of the Article | |

Review Form 3

PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|--|--|--|
| <p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p> | <p>Authors in this review described as case study on big data in lithium-ion battery manufacturing using Ultium Cells joint venture. The review is well arranged and can be accepted after minor revision:</p> <ol style="list-style-type: none"> 1. Author can use abbreviation for lithium-ion battery. 2. Please provide the reference: Li-ion batteries possess similar structure and are made up of cells combined together to make a module, which are in turn, combined together to make a pack. 3. Please enhance the figure quality 4. What is difference between viscosity and tortuosity? 5. Author must provide a safety implementation to the given review, especially during AGV delivers and stores them in stacker crane 6. 2.3 section: process delays or losing commands still may occur due to the complexity of logistics system. Author must provide a complex problem reason. 7. Recently Single-mast stacker crane has new model, please provide the latest digital model. 8. Quality of the figure is very poor to understand: Figure 6: Assembly modeling via Anylogic. 9. Reference are not in uniform way: some journal name is abbreviated and some not. Please check | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | | |
| <p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p> | | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | | |
| <p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p> | | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | | |

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| Minor REVISION comments | | |
| Is the language/English quality of the article suitable for scholarly communications? | | |
| Optional/General comments | | |

PART 2:

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| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|--|
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