BRIGHTORDER

Future of CMMS
AI Assisted Maintenance

Background

After having been introduced to C-MORE in 2011, we were intrigued on what this work would mean at scale.

What would it take to embed Weibull in to a CMMS package?

And what could this do for the industry?

Kenton Ho

1998, Bachelor's,
Chemical Engineering,
University of Waterloo

Mississauga, ON

Chief architect of the EMDECS CMMS since its inception in 1996. Strives on taking very difficult concepts and simplifying.

A special welcome to the C-MORE group here in Toronto

Thank you for the opportunity to spend some time together to find out more...

Data Set

25M+ Repair Orders

59M+ Service Events

82M+ Part Replacements

6M+ Pieces of Equipment

12M+ Part Numbers

4.5x larger than published by others in the industry

Introducing AI Assisted Maintenance

Implementing your analysis faster than ever before...

Key Achievements

- Embedding Weibull directly in a CMMS package
- Efficient and Sustainable: Data stays domiciled. No Data Transference. Repeatable. Traceable.
- Implementation of AI begins in the field. Not as an afterthought. Capturing the right data the right way at the right time is key to creating meaningful AI results.
- This work complements the research being done by C-MORE. It gets the CMMS out of the way of the modelling. Sanity checking of the data set is so much easier because the work is online and embedded. Iterative work is done for you.

Fundamental Shift

The problem is no longer on getting an analysis completed. Rather, it shifts to figuring out the best way to implement what's been discovered. AI does not replace the human experience, it exists to enhance it.

Application

- With Weibull on steroids, what impact would having Part level MTTF and Optimal Replacement Intervals have on your organization:
  - Early Failure Detection
  - Impact on Availability / Service Delivery
  - Maintenance Optimization
  - Inventory Optimization
  - Budgets
  - Lifecycle: Specification / Remaining Life

Technology

Enterprise:

- Oracle EE Database
- Oracle WebLogic
- Oracle ADF
- Oracle VM
- Oracle Linux

Domicile:

- Oracle Cloud: I/PaaS

Patent:

The BrightOrder approach to AI is protected by US Patent 9430882.

Engineered w/ Purpose

In the near future, AI-Assisted Maintenance practices will be the expectation. Those without AI will be left behind.

Fleet Maintenance + AI = The New Normal

Contact:

Jay.Georgi@brightorder.com
(905) 501-0911

http://brightorder.com