MIRCE Science

The philosophy of MIRCE Science is based on the premise that the purpose of existence of any functionable system[1] is to do a work, which is considered to be done when a measurable performance is delivered through time. Having realised, at student's age, that " future performance cannot be improved by producing the end-of-life statistics[2] of the work done", Knezevic endeavoured to create a body of knowledge that would be able to predict the future statistics of the systems, at the time when something could be done about it.

Five decades later it culminated in the creation of MIRCE Science[3], a mathematical scheme that defines the motion of functionable systems through MIRCE Space and predicts physically measurable performance.

By making use of MIRCE Functionability Function it is possible to predict expected functionability performance for each of physically feasible alternative, enabling engineers and managers to select the preferential solution in accordance to the given criterion.

[1] Functionable system a set of all elements whatsoever required for delivering functionability work in operationally defined physical reality. [1]
[2] Boeing 747, registration number N747PA, had delivered the work of 80,000 flying hours and received 806,000 maintenance man-hours, during the 22 years of in-service life
[3] Knezevic, J., The Origin of MIRCE Science, pp. 232, MIRCE Science, Exeter, UK, 2017, ISBN 978-1-904848-06-6