

## References

- Agrawal, M., Singh, R. & Singhal, R. (2017). Productivity improvement and capacity enhancement of an automobile industry: A case study. *International Journal of Engineering Research & Technology*, 6(11), 426-433. <http://www.ijert.org>
- Ahmudi, P., B., & Handayani, N. U. (2018 October). *Effectiveness analysis of ISO 9001:2015 implementation at manufacturing industry* [Paper presentation]. SHS Web Conf., 49 (2018) 01008. <https://doi.org/10.1051/shsconf/20184901008>
- Ahuja, I. S., & Khamba, J. S. (2008). Total productive maintenance: Literature review and directions. *International Journal of Quality & Reliability Management* 25(7), 709-756. <https://doi.org/10.1108/02656710810890890>
- Alp, O., & Tan, T. (2008). Tactical capacity management under capacity flexibility. *IIE Transactions*, 40(3), 221-237. <https://doi.org/10.1080/07408170701488052>
- Alumex PLC. (2021). *Annual Report*.  
[https://cdn.cse.lk/cmt/upload\\_report\\_file/1323\\_1622546260582.pdf](https://cdn.cse.lk/cmt/upload_report_file/1323_1622546260582.pdf)
- Arromba, I. F., Anholon, R., Rampasso, I. S., Silva, D., Quelhas, O. L. G., Santa-Eulalia, L. A., & Leal Filho, W. (2021). Difficulties observed when implementing Total Productive Maintenance (TPM): empirical evidences from the manufacturing sector. *Gestão & Produção*, 28(3), 1-15. <https://doi.org/10.1590/1806-9649-2021v28e5300>
- Arslankaya, S., & Atay, H. (2015). Maintenance management and lean manufacturing practices in a firm which produces dairy products. *Procedia - Social and Behavioral Sciences*, 207, 214-224. <https://doi.org/10.1016/j.sbspro.2015.10.090>
- Attri, R., Grover, S., Dev, N., & Kumar, D. (2013). Analysis of barriers of total productive maintenance (TPM). *International Journal of System Assurance Engineering and Management*, 4, 365–377. <https://doi.org/10.1007/s13198-012-0122-9>
- Badiger, A., & Gandhinathan, R. (2008). A proposal: evaluation of OEE and impact of six big losses on equipment earning capacity. *International Journal of Process*

- Management and Benchmarking*, 2(3), 234-248.  
<https://doi.org/10.1504/IJPMB.2008.017962>
- Bekken, G. (2019). The algorithmic governance of data driven-processing employment: Evidence-based management practices, artificial intelligence recruiting software, and automated hiring decisions. *Psychosociological Issues in Human Resource Management*, 7(2), 25–30. <https://doi.org/10.22381/PIHRM7220194>
- Benzaghta, M. A., Elwalda, A., Mousa, M. M., Erkan, I., & Rahman, M. (2021). SWOT analysis applications: An integrative literature review. *Journal of Global Business Insights*, 6(1), 55-73. <https://www.doi.org/10.5038/2640-6489.6.1.1148>
- Bhalla, S., Alfnes, E., Hvolby, H. H., & Sgarbossa, F. (2021). Advances in spare parts classification and forecasting for inventory control: A literature review. *IFAC-PapersOnLine*, 54(1), 982-987. <https://doi.org/10.1016/j.ifacol.2021.08.118>
- Caproni, P. J., & Arias, M. E. (1997). Managerial Skills Training from a Critical Perspective. *Journal of Management Education*, 21(3), 292–308.  
<https://doi.org/10.1177/105256299702100303>
- Capuzzi, S., & Timelli, G. (2018). Preparation and melting of scrap in aluminum recycling: A review. *Metals*, 8(4), 249-256. <https://doi.org/10.3390/met8040249>
- Chen, T., & Lin, C. W. (2020). Smart and automation technologies for ensuring the long-term operation of a factory amid the COVID-19 pandemic: An evolving fuzzy assessment approach. *The International Journal of Advanced Manufacturing Technology*, 111, 3545–3558. <https://doi.org/10.1007/s00170-020-06097-w>
- Chikwendu, O. C., Ifeyinwa, O. F., Igbokwe, N., & Utochukwu, O. (2020). The implementation of kaizen manufacturing technique: A case of a tissue manufacturing company. *International Journal of Engineering Science and Computing*, PEARL Media Publications, 10(5), 25938-25949. <https://ijesc.org/>
- Darmawan, A., & Sheu, D. D. (2021). Preventive maintenance scheduling: a simulation-optimization approach. *Production & Manufacturing Research*, 9(1), 281-298.  
<https://doi.org/10.1080/21693277.2021.1978898>

- Dunn, M. (2018). *Kaizen: The road to continuous improvement*. NPR.  
<https://www.mentorworks.ca/blog/business-consulting/kaizen-the-road-to-continuous-improvement/>
- Friedman, H., & Fischer, D. (2021). What biblical leaders teach us about leadership in a global society. *Analysis and Metaphysics*, 20, 7–30.  
<https://doi.org/10.22381/AM2020211>
- Gackowiec, P. (2019). General overview of maintenance strategies – concepts and approaches. *Multidisciplinary Aspects of Production Engineering*, 2(1):126-139.  
<https://doi.org/10.2478/mape-2019-0013>
- Gesing, A. J., Erdmann, T., & Gesing, M. A. (2010). *A summary of current aluminium recycling markets, processes and technology* [Paper presentation]. International Aluminium Recycling Workshop, Trondheim, Norway.
- Gomes, F. C., Yasin, M., & Lisboa, J. (2004). A literature review of manufacturing performance measures and measurement in an organizational context: A framework and direction for future research. *Journal of Manufacturing Technology Management*. 15. 511-530.  
<https://doi.org/10.1108/17410380410547906>
- Haug, A. (2015). Work instruction quality in industrial management. *International Journal of Industrial Ergonomics*. 50. <https://doi.org/10.1016/j.ergon.2015.09.015>
- Hedvall, L. (2019). *Reducing and absorbing variations in a manufacturing context - A capacity management perspective* [Dissertation paper, Jönköping University].  
<https://www.diva-portal.org/>
- Heher, Y. K., & Chen, Y. (2017). Process mapping: A cornerstone of quality improvement. *Cancer Cytopathology*, 1(1). <https://doi.org/10.1002/cncy.21946>
- Hertz, J. (2020, November 6). *As Mission-Critical Applications Boom, Reliability Engineering is More Important Than Ever*.  
<https://www.allaboutcircuits.com/news/mission-critical-applications-boom-reliability-engineering-more-important-ever/>

- Illés, B., Tamás, P., Dobos, P., & Skapinyecz, R. (2017). New challenges for quality assurance of manufacturing processes in Industry 4.0. *Solid State Phenomena*, 261, 481–486. <https://doi.org/10.4028/www.scientific.net/ssp.261.481>
- Ismail, A., Truong, H. L., & Kastner, W. (2016). Manufacturing process data analysis pipelines: a requirements analysis and survey. *J Big Data*, 6(1). <https://doi.org/10.1186/s40537-018-0162-3>
- Kwon, S., Monnier, L. V., Barbau, R., & Bernstein, W. Z. (2020). Enriching Standards-based Digital Thread by Fusing As-Designed and As-Inspected Data 19 Using Knowledge Graphs. *Advanced Engineering Informatics*, 46, 101-102. <https://doi.org/10.1016/j.aei.2020.101102>
- Liker, J. K., & Morgan, J. (2006). The Toyota way in services: The case of lean product development. *Academy of Management Perspectives*, 20(2). <https://doi.org/10.5465/AMP.2006.20591002>
- Liliana, L. (2016). A new model of Ishikawa diagram for quality assessment. *IOP Conference Series: Materials Science and Engineering*, 161, 012099. <https://doi.org/10.1088/1757-899X/161/1/012099>
- Lorenz, A., Raven, M., & Blind, K. (2019). The role of standardization at the interface of product and process development in biotechnology. *J Technol Transf*, 44, 1097–1133. <https://doi.org/10.1007/s10961-017-9644-2>
- Míkva, M., Prajová, V., Yakimovichb, B., Korshunovb, A., & Ivan Tyurin. (2016, June). *Standardization - one of the tools of continuous improvement* [Paper presentation]. International Conference on Manufacturing Engineering and Materials, Nový Smokovec, Slovakia. <https://doi.org/10.1016/j.proeng.2016.06.674>
- Monga, R., & Khurana, V. (2015). Facility layout planning: A review. *International Journal of Innovative Research in Science, Engineering and Technology*, 4(3). 967-980. <https://doi.org/10.15680/IJIRSET.2015.0403027>
- Mukarromah, I., Mudjito, M., & Purbaningrum, E. (2019). The Effect of Managerial Skills (Conceptual, Human, and Technical) of Headmasters to the Effectiveness of

- Islamic Senior High Schools in Jombang District. *International Journal for Educational and Vocational Studies*. 1. <https://doi.org/10.29103/ijebs.v1i6.1749>
- Musa, M. A., Kasim, N. I., Razali, A. R., Ishak, M. & Saidin, W. A. N. W. (2015). Improvement of overall equipment effectiveness (OEE) through implementation of autonomous maintenance in Crankcase line. *Applied Mechanics and Materials*, 761, 165–169. <https://doi.org/10.4028/www.scientific.net/amm.761.165>
- Nakajima, S. (1988). *Introduction to total productive maintenance*. Productivity Press.
- Netland, T. H. (2016). Critical success factors for implementing lean production: the effect of contingencies. *International Journal of Production Research*, 54(8), 2433-2448. <https://doi.org/10.1080/00207543.2015.1096976>
- Neyestani, B., & Juanzon, B. P. (2017). ISO 9001 standard and organization's performance: A literature review. *International Journal of Advanced Multidisciplinary Research*, 4(2), 6-13. [http://dx.doi.org/10.22192/ija\\_mr.2017.04.02.002](http://dx.doi.org/10.22192/ija_mr.2017.04.02.002)
- Ng, K. C. & Chong, K. E. (2018). A framework for improving manufacturing overall equipment effectiveness. *International Journal of Engineering & Technology*, 7(3.13), 149-156. <https://doi.org/10.14419/ijet.v7i3.13.16342>
- Oechsner, R., Pfeffer, M., Pfitzner, L., Binder, H., Müller, E., & Vonderstrass, T. (2003). From overall equipment efficiency (OEE) to overall fab effectiveness (OFE). *Materials Science in Semiconductor Processing*, 5, 333–339. [https://doi.org/10.1016/S1369-8001\(03\)00011-8](https://doi.org/10.1016/S1369-8001(03)00011-8)
- Parida, A., Kumar, U., Galar, D., & Stenström, C. (2015). Performance measurement and management for maintenance: A literature review. *Journal of Quality in Maintenance Engineering*, 21(1), 2-33. <https://doi.org/10.1108/JQME-10-2013-0067>
- Pérez-Gosende, P., Mula, J., & Díaz-Madroñero, M. (2021): Facility layout planning. An extended literature review. *International Journal of Production Research*. <https://doi.org/10.1080/00207543.2021.1897176>

- Peterson, T. O., & V. D. D., David. (2004). The ongoing legacy of R.L. Katz. *Management Decision*, 42(10), 1297–1308.  
<https://doi.org/10.1108/00251740410568980>
- Razaz, G. (2019). *Problems in the Aluminium DC casting process associated with melt treatment operations* [Doctoral dissertation, Mid Sweden University].  
<https://miun.diva-portal.org/>
- Robinson, R. (1993). Cost-benefit analysis. *BMJ*, 307(6909), 924-926.  
<https://doi.org/10.1136/bmj.307.6909.924>
- Salonitis, K., Jolly, M. R., Zeng, B., & Mehrabi, H. (2016). Improvements in energy consumption and environmental impact by novel single shot melting process for casting. *Journal of Cleaner Production*, 137, 1532-1542.  
<https://doi.org/10.1016/j.jclepro.2016.06.165>
- Saniuk, S., Caganova, D., & Saniuk, A. (2021). Knowledge and Skills of Industrial Employees and Managerial Staff for the Industry 4.0 Implementation. *Mobile Netw Appl.* <https://doi.org/10.1007/s11036-021-01788-4>
- Savastano, M., Amendola, C., Bellini, F., & D'Ascenzo, F. (2019). Contextual impacts on industrial processes brought by the digital transformation of manufacturing: A systematic review. *Sustainability*, 11, 891. <https://doi.org/10.3390/su11030891>
- Shatilo, O. (2020). The Impact of External and Internal Factors on Strategic Management of Innovation Processes at Company Level. *Ekonomika*, 98, 85-96.  
<https://doi.org/10.15388/Ekon.2019.2.6>
- Sherwin, D.J., & Jonsson, P. (1995). TQM, maintenance and plant availability. *Journal of Quality in Maintenance Engineering*, 1(1), 15-19.  
<https://doi.org/10.1108/13552519510083101>
- Silva, A.S., Medeiros, C. F., & Vieira, R. K. (2017). Cleaner production and PDCA cycle: Practical application for reducing the cans loss index in a beverage company. *Journal of Cleaner Production*, 150, 324-338.  
<https://doi.org/10.1016/j.jclepro.2017.03.033>

- Starikov, E., Evseeva, M., & Tkachenko, I. (2021). Digital Technologies in the Smart Production Management System, *SHS Web Conf.*, 93, 01024.  
<https://doi.org/10.1051/shsconf/20219301024>
- Stein, V., & Scholz, T. M. (2020). Manufacturing revolution boosts people issues: The evolutionary need for human-automation resource management in smart factories. *European Management Review*, 17, 391–406. <https://doi.org/10.1111/emre.12368>
- Teoh, Y. K., Gill, S. S., & Parlikad, A. K. (2021). IoT and fog computing based predictive maintenance model for effective asset management in Industry 4.0 using machine learning. *IEEE Internet of Things Journal*.  
<https://doi.org/10.1109/JIOT.2021.3050441>
- The six big losses in manufacturing. (2020, February 18). *Evocon*.  
<https://evocon.com/articles/the-six-big-losses-in-manufacturing/#overview>
- Ungermann, F., Kuhnle, A., Stricker, N., & Lanza, G. (2019). Data analytics for manufacturing systems – A data-driven approach for process optimization. *Procedia CIRP*, 81, (369-374). <https://doi.org/10.1016/j.procir.2019.03.064>
- Uusipaavalniemi, S., & Juga, J. (2009). Information integration in maintenance services. *International Journal of Productivity and Performance Management*, 58(1), 92-110. <https://doi.org/10.1108/17410400910921100>
- Vivek R., Gandhewar, V. R., Bansod, S. V., & Borade, A. B. (2011). Induction furnace - A review. *International Journal of Engineering and Technology*, 3(4), 277-284.  
<https://docobook.com/induction-furnace-a-review.html>
- Vu-Ngoc, H., Elawady, S. S., Mehyar, G. M., Abdelhamid, A. H., Mattar, O. M., Halhouli, O., Vuong, N. L., Ali, C. D. M., Hassan, U. H., Kien, N. D., Hirayama, K., Huy, N. T., & Moher, D. (2018). Quality of flow diagram in systematic review and/or meta-analysis. *PLOS ONE*, 13(6), 0195955.  
<https://doi.org/10.1371/journal.pone.0195955>
- Wang, S., Wan, J., Li, D., & Zhang, C. (2016). Implementing Smart Factory of Industrie 4.0: An Outlook. *International Journal of Distributed Sensor Networks*.  
<https://doi.org/10.1155/2016/3159805>

- Xiang, Z. T., & Feng, C. J. (2020). Implementing total productive maintenance in a manufacturing small or medium-sized enterprise. *Journal of Industrial Engineering and Management*, 14(2), 152-175. <https://doi.org/10.3926/jiem.3286>
- Yang, T., Su, C., & Hsu, Y. (2000). Systematic layout planning: a study on semiconductor wafer fabrication facilities. *International Journal of Operations & Production Management*, 20(11), 1359-1371.  
<https://doi.org/10.1108/01443570010348299>
- Yoo, Y., Henfridsson, O., & Lyytinen, Kalle. (2010). The New Organizing Logic of Digital Innovation: An Agenda for Information Systems Research. *Information Systems Research*, 21, 724-735. <https://doi.org/10.1287/isre.1100.0322>