

## Arno Koch endorses HaldanMES

HaldanMES has been endorsed by the OEE Pioneer, Arno Koch, for its abilities to continuously monitor the machine's overall equipment effectiveness.

Arno Koch is creator of the world's first OEE software, and the author of the very first books published about OEE, namely "OEE for Operators".

He established the OEE Foundation, which defines standard OEE parameters, administered through the

OEE Industry Standard (<http://oeeindustrystandard.oeefoundation.org/>). He is widely known as the Guru of OEE worldwide.

He endorsed HaldanMES in May 2014, after reviewing the software. It is currently the only software in the world that has Arno Koch's stamp of approval as an OEE solution. This effectively promotes HaldanMES as the world's best OEE software. This product, which is developed by Haldan Consulting, is based on the standards and principles defined by Arno Koch and the OEE Industry Standard.

In his words, HaldanMES is "very professional and vey competitive." He extended his thoughts to acknowledge that HaldanMES is a great alternative to other OEE products that are existent in the marketplace.

Haldan MES software helps to increase capacity by driving

the effective execution of the machine's manufacturing operations. This system provides a visual analysis of how well the machine is running at any given time. It also allows for customised reports and trends to be sourced to examine the machine's overall availability, performance and quality information.

To read more about Arno Koch and his publications, visit our [website](#).



Book Cover: Productivity Development Team and Koch, A. 1999. *OEE for Operators*. CRC Press, Taylor & Francis Group: United States of America

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## The ever-changing Pharmaceutical Industry demands improved productivity with the assistance of OEE



*Manufacturing at Adcock Ingram; Sourced from their website [\(view\)](#)*

The pharmaceutical industry is plagued by many changing uncertainties, including increasing healthcare costs, expiring patents, rising cost pressures and the growth in the production of generics. Pharmaceutical companies are beginning to realize that, in order to continue a sustainable business structure, they need to embrace innovations in manufacturing processes and engineering expertise.

Dr Jérôme Freissmuth holds a doctorate in technical science and has worked on organizational projects for the pharmaceutical machinery industry for several years. In an article in the Pharmaceutical Manufacturing Magazine, he explains that OEE is an important part of optimizing manufacturing processes in this industry:

“OEE is equally important when it comes to the development and market introduction of new pharmaceuticals. So far, the production of small batches continues to be an expensive venture. But with the optimization of machines in terms of flexibility, automation, easy changeover and scale-up, the situation has changed significantly — and will continue to do so in the future. These improvements enable manufacturers to develop new drugs with shorter time-to-market metrics, while complying with strict or emerging regulations,” (Freissmuth, 2014)

It is clear then that he suggests that the companies who will lead the way forward will be those that invest in machinery and services along the pharmaceutical value chain.

Adcock Ingram is a pharmaceutical manufacturer who has recognised the importance of the OEE metric. Adcock Ingram had been using HaldanMES on a trial basis for a short period, and has decided to continue with a full implementation of HaldanMES, for manual data collection, in its two manufacturing plants in Gauteng, namely Clayville and Wadeville.

Adcock Ingram manufactures and distributes a wide range of medicines and healthcare products. In Clayville, they manufacture high volume liquids, low volume liquids, effervescent and powders. In Wadeville, they manufacture tablet and capsule pharmaceuticals, as well as antiretroviral medication.

HaldanMES's OEE module will put the focus on key areas, such as machine availability, machine performance, and product quality. HaldanMES provides the framework with which they can achieve greater productivity and profitability by identifying losses in capacity.



*Adcock Ingram's Wadeville Plant; Sourced from their website [\(view\)](#)*

Joel Gray, President of Service Industries LLC (Rolling Meadows, IL), which is a manufacturer of high-speed bottle-filling equipment, tooling, and change parts, says “One thing that we try to focus on in regard to OEE is to reduce changeover time. If a pharmaceutical company can reduce its setup time from one run to another, it is going to be much more efficient and increase machine availability.” (cited in Gaines 2007)

Laverne Louis, a Project Manager and Industrial Engineer at Haldan Consulting, highlights a key area of OEE:

***“With a good data analysis tool, like HaldanMES’s OEE module, areas that need attention can easily be identified and pinpointed. For example, instead of waiting for a problem to happen before taking action, you are equipped with the right information to fix a potential issue and effectively prevent a big downtime from occurring.”***

Article by Robyn Tye

For further reading:

- Freissmuth, J. 13 February 2013. *Facing the Pharmaceutical Future*. Pharmaceutical Manufacturing Magazine. <http://www.pharmamanufacturing.com/articles/2013/021/?show=all>

- Gaines, D. 9 November 2007. *Filling Overall Equipment Effectiveness Demands*. Pharmaceutical & Medical Packaging News (Vol 15, No 11). <http://www.pmpnews.com/article/filling-overall-equipment-effectiveness-demands>

## HaldanMES’s FRACAS module is on the way

HaldanMES will soon offer its Clients’ a new FRACAS module. FRACAS is an acronym for Failure Reporting Analysis and Corrective Action System.

The software will provide for a process of reporting, classifying and analysing failures, as well as planning the corrective actions in relation to those failures. It will allow for the management of multiple failure reports, which can be recorded by many individuals, and for the storing of failure data and corrective action history logs. FRACAS is one of the most common methods of reliable operational assessment as it adopts a systems approach to incident reporting and corrective action.

When using a FRACAS system to assist with maintenance and continuous improvements, the goal is to create a workflow model that is proactive, rather than reactive.

This module will facilitate appointing a responsible person/s to handle a task, closing out timing for the completion of each step, emailing responsible person/s at each step and at each change or update, as well as the storage of support documents and management of reports and analyses of FRACAS items.

## HaldanMES: Dashboards



The Dashboard is a visual representation of your current OEE performance. Plant and machine Dashboards display real-time shop floor information, allowing for improved shop floor awareness. The benefit of having a Dashboard displayed in the manufacturing area is that it facilitates immediate reaction to downtime in production, by immediately indicating when a machine has stopped producing parts.

To take a look at what else HaldanMES has to offer, go to our [website](http://www.haldan.co.za).



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Laverne Louis with the SOMTA team, during implementation

We would like to extend a big, warm welcome to the newest members of the HaldanMES Community – SOMTA. They recently implemented HaldanMES as an OEE Solution at their Kwazulu-Natal plant in

## HaldanMES Welcomes SOMTA

South Africa.

SOMTA has been in business since 1954 and is one of the largest cutting tool manufacturers in the southern hemisphere. Their core business is the manufacturing and supplying of cutting tools, such as Drills, Reamers, End Mills, Bore Cutters, Taps & Dies, Toolbits, Solid Carbide Tooling, Carbide Insert Tooling, Custom Tools & Surface Coatings.

According to their website (<http://www.somta.co.za/>), their

product range includes “25 000 standard items, and a further 6 000 made-to-order items, to DIN, ISO, ANSI and JIS standards, as well as custom tools to drawing”. Their product distribution includes “370 distributors in South Africa” with “exports to 70 countries around the world” ([link](#)).

HaldanMES is monitoring four machines on their factory floor that manufacture parts for their Carbide Tooling range.