

## Case Study: International Power implements automated meter based preventative maintenance in Maximo with Matrikon CBM-Max.

### Client background

Loy Yang B power station is a 1000 MW Brown Coal Fired Steam generating power plant located near Teralgon, in Victoria Australia. They are part of the International Power group with over 40 plants and 30,000 MW gross capacity power worldwide. "We were running our maintenance on critical assets on a time based schedule, we knew we were over maintaining the plant." The plant's boilers were one group of over maintained assets identified, which were typically taken offline for five days to perform preventive maintenance every three months, which cost \$30,000 per shut down.



## Solution

International Power identified their critical assets and implemented usage based preventive maintenance, using Matrikon to feed their meter data from their PHD historian into their maintenance schedule in Maximo.

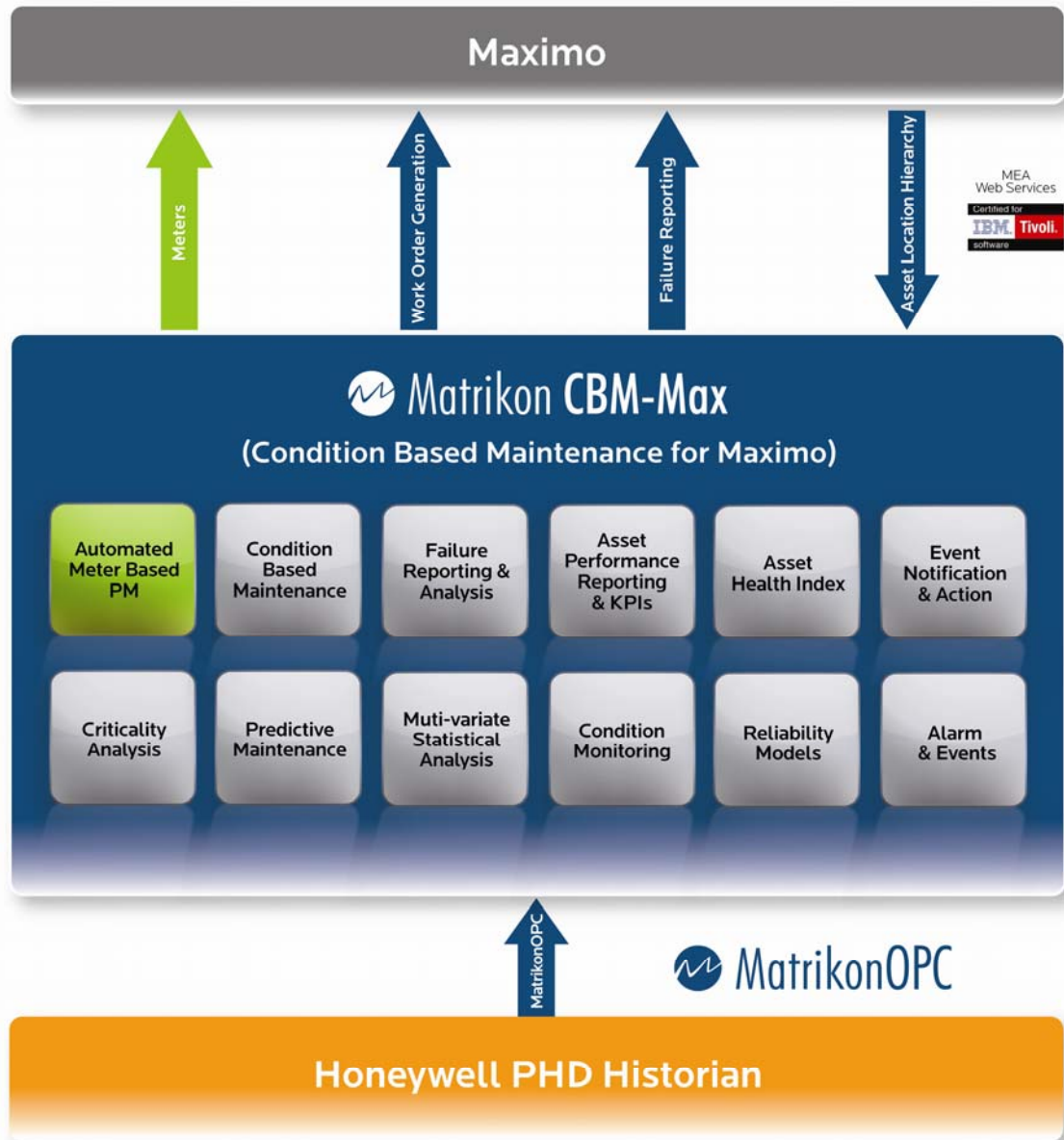


Figure 1. Matrikon CBM-Max architecture.

## Quote

"We evaluated a number of options but no other alternatives could deliver our needs. We went with Matrikon as they provided good service, had knowledgeable people, and understood our needs."

## Results

The project went live in March 2008 and since then International Power has identified for just their eight boilers that they are able to eliminate three \$30,000 shutdowns each year, saving \$90,000 annually for one class of asset.

## The Future

International Power's plans for the future are to identify additional assets within the plant where savings can be obtained by using the tool. They also intend to use the additional functionality provided by Matrikon to enable condition based maintenance for key assets, and roll out this solution to other power plants assets operated by the company in Australia.

## About Matrikon

Matrikon ([www.matrikon.com](http://www.matrikon.com)) is a leading provider of integrated industrial intelligence solutions that enable manufacturing plants to achieve operational excellence by transforming production data into knowledge to predict and prevent problems and optimize operations. Matrikon's customers achieve agile operations through the combination of external market and plant data to make informed intelligent decisions in real-time. With offices in major cities throughout North America, Australia, Europe and the Middle East and a global client base including industry leaders in a wide range of process industries, Matrikon's reach is global.