

SYSTEMS AND METHODS FOR IMPROVING MAINTENANCE PLANS IN THE PRESENCE OF SENSOR DATA

ABSTRACT

Systems and methods for generating a sensor driven optimized and/or improved maintenance program are provided. A first maintenance plan for an apparatus type is received; the first maintenance plan defining maintenance tasks for the apparatus type and defining intervals at which the maintenance tasks are to be performed. Historical sensor data, historical scheduled maintenance data, and historical unscheduled maintenance data are received and correlated to determine a predictive value of the sensor data. One or more maintenance improvement objectives of an operator of an apparatus of the apparatus type are received, and the sensor driven optimized and/or improved maintenance program is generated, based at least on the predictive value of the sensor data and the maintenance improvement objectives. The sensor driven optimized and/or improved maintenance program includes an adjusted one of the defined intervals.

FIG. 2