

NearShore Solutions Whitepaper

Maintenance Planning

The Problem

Manufacturing Plants, Airports, Refineries, Transportation companies and many other large enterprises have one thing in common: they operate large amounts of assets, which all require regular scheduled maintenance and repair.

An experienced Maintenance Department can do the planning of proactive maintenance and repair for several hundred assets with conventional tools, based on Excel or similar programs. However, if the number of assets reaches or exceeds several 10,000, then it is obvious that this approach would not work any longer.

Taking into account the manufacturers preventive maintenance directives, available manpower resources, tools, spare parts and utilities, distance of asset locations, in competition with mostly always unreckoned urgent repair requests, than it becomes clear that a constraint-based long term maintenance planning tool is needed, taking these requirements into account.

What we can offer

NearShore Solutions has experience in developing custom maintenance planning systems for large-scale asset owners.

We know how to read asset data from ERP systems like SAP or Oracle, interact with plant maintenance systems like SAP PM and APM systems like Meridium, process preventive maintenance requirements along with available resources and tools, take into account the competing requirement of sudden repairs, and create long term constraint-based work schedules, with work order inputs to the ERP system.

We understand the challenges of plant maintenance requirements of resource, we know resource leveling and the underlying mathematical planning algorithms, and we have the experience to develop enterprise-class software systems.

These are the keys to successful implementation of long-term maintenance planning systems on a large scale.

If you would like to get more information about our skills for maintenance planning, please contact: Valeri Kireitchik valeri.kireitchik@gersis-software.com

If you would like to get more information about NearShore Solutions, please contact: Walter Fertl walter.fertl@nearshoresolutions.de