

INDUSTRIAL SERVICES INDUSTRY OVERVIEW

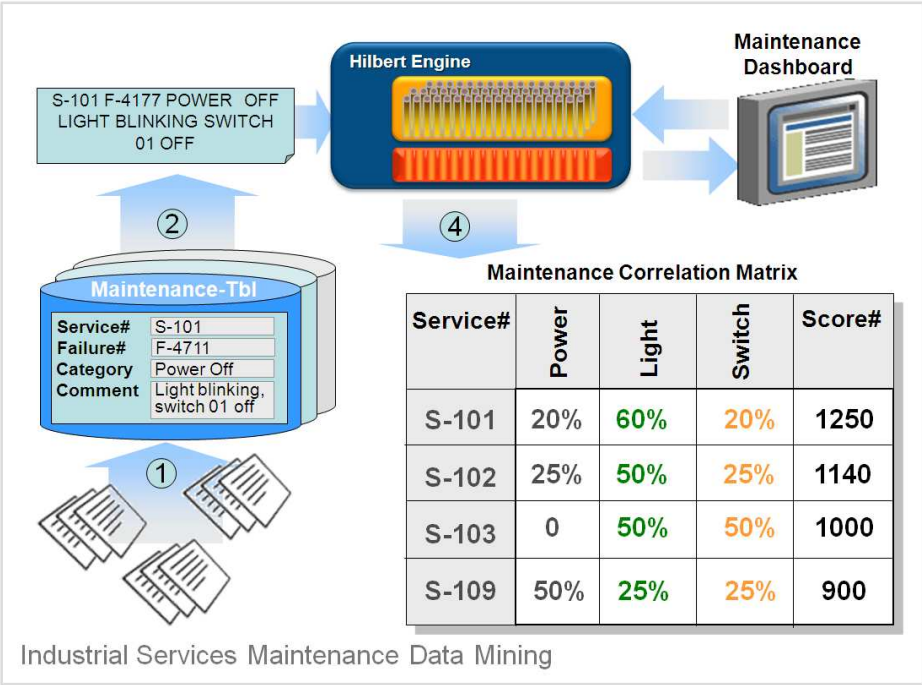


Where Speed Translates to Profits

Industry: Industrial Services
Application: Data Mining, BI
Hilbert Products: Hilbert® Engine, Hilbert® ExploreDoc

Business Challenge: A US government agency with programs under scrutiny for operational safety must revitalize its decision making support system. Trending and Predictive Modelling of problems and parts failures are done manually by staff facing an overwhelming volume of data held within a vast maintenance history library. In addition to volume of data, complexity of data is introduced by the fact that more than 75% of the data exist in comment fields, which fields contain the critical information that is needed for decision support. The wealth of information that can be harvested from unstructured data is often critical to effective decision making--yet the very nature of unstructured data, coupled with the sheer volume of such data represents a monumental challenge. Hampered by the limitations of conventional data management, this agency spends man-years searching, comparing and correlating millions of records in a frustrating effort to develop timely, mission-critical insights..

Business Scenario:



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Business Solution: The Hilbert Space is populated with a set of 7500 maintenance records, each containing 65 structured fields and several unstructured comment fields. The comment fields are of critical interest, as they contain text descriptions of observations made by inspection personnel. A sample record selected by the agency is used as a “target document” for the Hilbert ExploreDoc, which, in the final correlation analysis identifies others of the 7499 records with a high degree of correlation to it. This requires less than two (2) minutes of processing time on a laptop PC. The Hilbert ExploreDoc also finds more relations, delivering higher quality along with ultra high-speed. By correlating across 10-plus years of data, this agency can more accurately predict “events” and identify failure trends.

- Business Benefits:**
- Data analysis is now fast and accurate
 - Mission-critical information is harvested from both structured and unstructured data
 - Agency now has a more robust data environment for problem resolution
 - All information is available to support decision quality, no information goes unharvested

About Hilbert: Pennsylvania based Hilbert Technology Inc. is an international provider of data management and analysis solutions for large and medium size enterprises worldwide. The offering is based on the revolutionary, patented Hilbert Engine technology for the ultra high-speed access, manipulation, storage and analysis of large volumes of structured and unstructured data. The Hilbert solutions are offered as industry or process specific solutions. Organizations in public services, law, government, finance, communications, whole- and retail sales, transportation & tourism and chemical & pharmaceutical can employ Hilbert solutions to gain unparalleled speed in access and analysis over large data volumes.

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