Data-driven Process Optimization for Operational Excellence

We support optimization of your whole business enterprise based on visualized actual data from analysis and problem clarification to business process optimization.

Data-driven Process Solution for Optimization utilizes Celonis Process Mining Technology. We support optimization of your whole business enterprise by providing comprehensive service based on visualized actual data.

Issues in business process optimization

Many companies have conducted business process optimization through standardization efforts using conventional methods that are not only qualitative but analog, such as interviews with business managers and monitoring. They have not been able to define the objective index criteria needed for real-time measurement and monitoring and a true understanding and analysis of business processes.

<table>
<thead>
<tr>
<th>Problems</th>
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<tbody>
<tr>
<td>Enormous time and work requirements</td>
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<tr>
<td>Whether overall or specific, analyzing business processes requires enormous amounts of time. Preparation also takes time, making business processes difficult to visualize.</td>
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<tr>
<td>Non-digital information</td>
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<tr>
<td>Analog information such as interviews and monitoring of managers is often undertaken, which results in lack of clarity on whether the cause of inefficiency has been identified.</td>
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<tr>
<td>Resources and cost</td>
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<tr>
<td>Ongoing understanding and visibility of overall business processes not only requires operations to prepare systems and project efforts, but also entails costs.</td>
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Process Mining Technology

This technology discovers process inefficiencies based on real-time analysis of event logs, such as transaction data and change history. Process mining technology brings visibility to the whole array of business processes and reveals deviations from ideal figures, making it possible to carry out measures that optimize processes successfully.

What Process Mining Technology makes possible

<table>
<thead>
<tr>
<th>Visualize the entire business process with few clicks</th>
<th>Visualize Timelines</th>
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<tbody>
<tr>
<td>Visualize in a very short time the patterns for processes, whether domestic or overseas, that require processing deviations or rule exemptions</td>
<td>Order</td>
</tr>
<tr>
<td></td>
<td>Credit</td>
</tr>
<tr>
<td></td>
<td>Manufacturing</td>
</tr>
<tr>
<td></td>
<td>Shipping</td>
</tr>
<tr>
<td></td>
<td>[Price change]</td>
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<tr>
<td></td>
<td>[Price change again]</td>
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<table>
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<tr>
<th>Suggestion from Deviation Factor</th>
<th>Real-time Monitoring</th>
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<tr>
<td>After defining a business process, automatically suggest the degree of deviation and deviating factors</td>
<td>Immediate identification (e-mail) in case a business process occurs that involves the possibility of bottlenecks based on predefined conditions</td>
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Process Mining Technology Solution Use Case

We bring to bear analysis reports covering each kind of issue a company faces. This enables us to identify issues based on knowledge and experience with each industry, so that we can reengineer business processes and provide solutions such as system control.

Sample analysis report

Trend for occurrence of replacement

KPI Comparison

Shipping Volume

Business process reengineering considering bottlenecks

Data scientist
Experience with process construction
Industry knowledge

Shift to operational process handling by Change-Mgr. or IT-Dept.

Data-driven Process Optimization for Operational Excellence

In applying Business Mining Technology, ABeam Consulting applies its knowledge and experience with standardization and optimization across businesses and industries to achieve process optimization in a wide range of cases, supporting continuous business process improvement.

Use case

Operational Excellence
- Visualize processes
- Quantifying inefficient process

S/4 HANA * Migration
- BPR Cleaning to be verified toward S/4 upgrade
- S/4 function in maximum use

Internal Audit
- Unauthorized, duplicate payment, identification of exclusive purchase
- Duties segregation, Monitoring of internal governance

RPA
- Specified process which PRA should be picked to build-in
- Cost-effectiveness simulation

Shared Services
- Process identification leads to shared services
- Cost-effectiveness simulation

Business process Outsourcing
- Process identification to be outsourced
- Cost-effectiveness simulation

Preparation

KAIZEN

Training

Additional Development

RPA

Integration Standardization

Monitoring

Event log Implementation

Operational Excellence Cycle
Process detecting Model

Process Visualized

Practical Use

Analysis

Construction

Implementation

1 month as the shortest available timeframe from process requirements definition to analysis registration

Approximate cost

JPY 6,000,000- (56,000 USD) minimum
Approximately 3 months to delivery
(one month for implementation + two months for analysis)

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