



ENGINEERING FOR  
A SAFER WORLD



# VAIL-CMMS®

COMPUTERIZED MAINTENANCE  
MANAGEMENT SYSTEM

[www.velosiaims.com](http://www.velosiaims.com)



## About Velosi

Velosi has successfully developed and implemented multiple software solutions for a diverse range of clients in various industries around the world. Through our team of experienced and highly qualified software engineers, we provide innovative software services to many organizations, thus empowering them to acquire the best value from their technology investment.

We work in close liaison with technical teams at energy companies to leverage the technology and infrastructure, support operations, and to provide a market-tested & accepted one-stop customized software solution for all the asset types of our clients in the energy sector.

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# Introduction



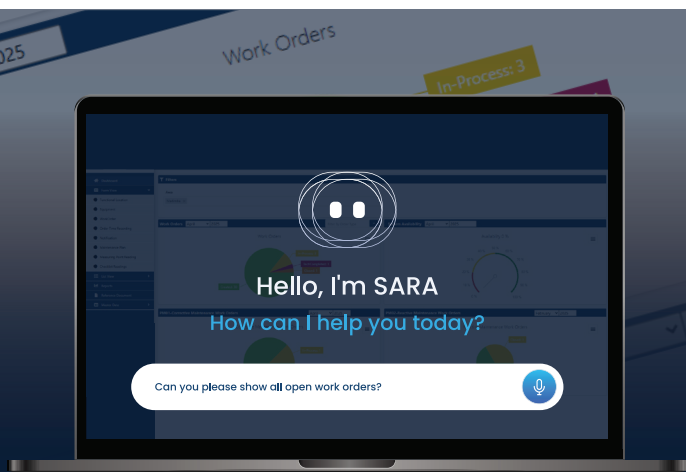
## VAIL-CMMS

### Computerized Maintenance Management System

VAIL-CMMS software is your single best answer to all the different challenges of keeping assets and equipment up and running. When it comes to fully optimizing work order management, maintenance work order software helps you streamline every workflow, saving time, money, and frustration. And because modern solutions are backed by cloud computing, not only can you access and update all the relevant information from anywhere at any time, but you can also be confident it's always up to date and reliable.

VAIL-CMMS is utilized for automating workflows, optimizing resource allocation, forecasting & executing maintenance activities, and implementing data-driven decisions within your facility. VAIL-CMMS supports and analyzes historical patterns, work reception, planning, control, performance, evaluation, and reporting to continuously improve maintenance processes – setting forth substantial organization, smooth maintenance planning, control, and cost saving recommendations.





## Effortless Navigation with our **AI Powered Voice Assistant**

### Introducing “ SARA ”

#### - Velosi's most capable AI voice assistant in VAIL-CMMS

Optimize Maintenance Operations with AI-Powered Voice Recognition. Velosi's most capable AI voice assistant, SARA in VAIL-CMMS, empowers maintenance teams with hands-free, real-time system interaction. This advanced integration streamlines maintenance operations, improves data accuracy, accelerates informed decision-making, and equips maintenance teams to operate with precision and efficiency, while redefining industry benchmarks for smart maintenance in the ever-advancing digital world.



#### **SYSTEMATIC**

Streamlining business processes  
with a methodical approach



#### **ACCURATE**

Precision-driven, real-time insights  
to support your decisions



#### **RELIABLE**

Built to perform consistently,  
no matter the challenge



#### **ACCESSIBLE**

Access the power of AI, wherever  
you are, whenever you need it

# Introducing “ SARA-BOT ”

Your Smart Digital Assistant for Seamless Operations



SARA-BOT, Velosi's advanced AI-powered Chatbot Assistant is systematically structured to enhance user interaction and streamline operational efficiency within the entire VAIL-CMMS software. This integrated chatbot is more than just a digital interface; it is your 24/7 available assistant, capable of handling queries, navigating workflows, and providing instant support in real-time through simple, conversational commands.

## SARA-BOT Features



24/7 availability to eliminate delays in critical information access



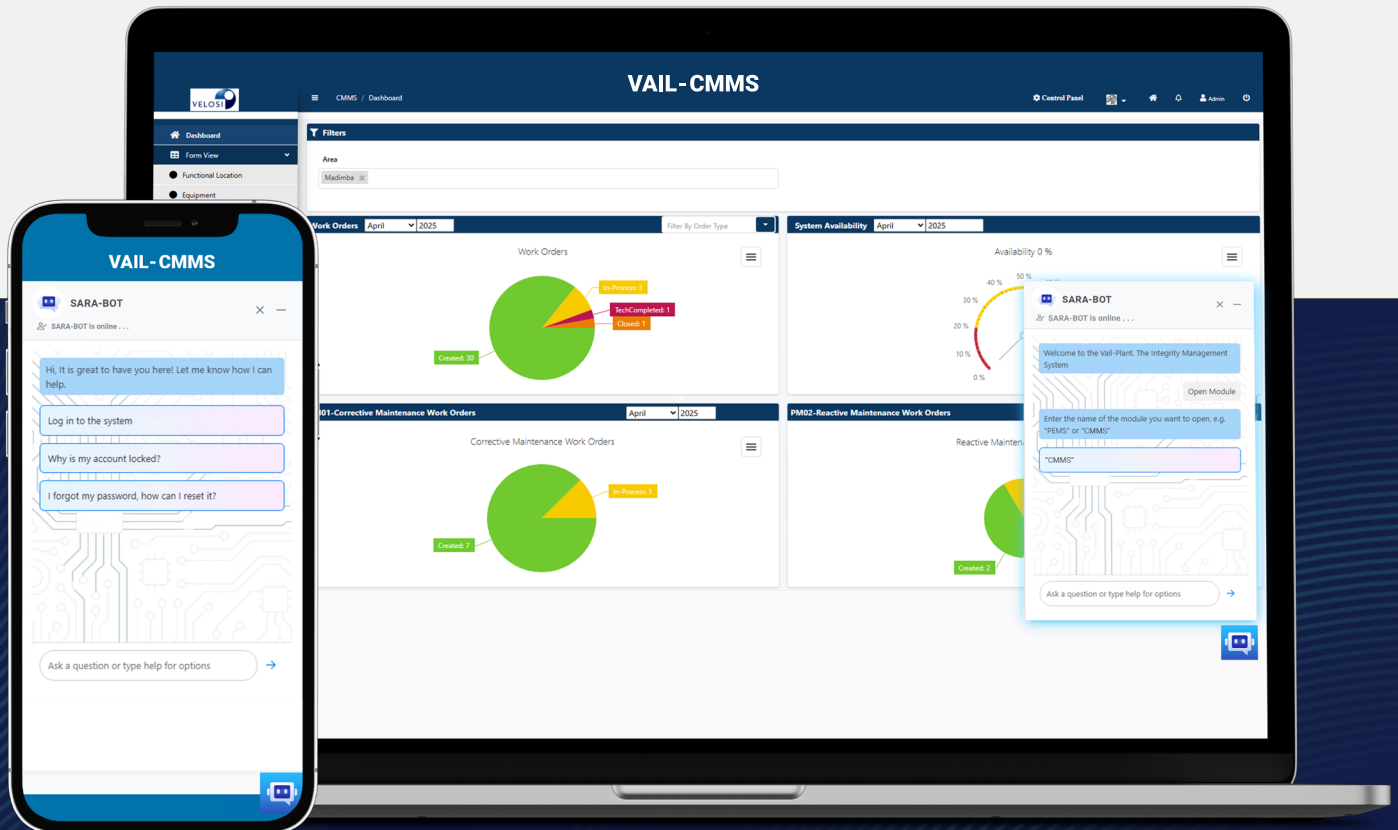
Enhanced user experience with intuitive navigation and provisional assistance



Instant Response to User Queries













Step-by-Step Guidance through Complex Processes



## Let's have a look at the benefits:

- Manage & maintain your work order creation tasks from anywhere.
- Protects & extends the life of assets with improved planning & scheduling.
- Maintaining a track of asset/equipment inventory of any size.
- Robust planning and scheduling of performance, deployment & maintenance of fixed & linear assets.
- Boost the production level with error-free alerts & irregular detection.
- Generate custom analytical report of equipment history from installation to replacement.
- Keeping a track of the cost of labor and materials.
- Empower your field staff with our appropriate asset database system for better forecast the future needs & increase first-time fix rates.

### Beyond Just Software

 Mobile Friendly	 Easy Integration
 Flexible	 Streamlined Processes
 Centralized Information	 Highly Customizable
 Web-Based System	 Notification and Alerts
 Reporting & Analysis	 Bulk Import & Export

## VAIL - CMMS Features:

VAIL-CMMS software is your single best answer to all the different challenges of keeping assets and equipment up and running.

- **Asset Management**
- **Customizable Dashboard**
- **Work Order Management & Scheduling**
- **Maintenance Planning & Execution**
- **Equipment Downtime & MTBF / MTTR**
- **Order Time Recording**
- **TML Recording**
- **Maintenance Notifications**
- **Resource Management**
- **Customer Portal**
- **CMMS Mobile Application**
- **Inventory Management**
- **Help Desk and SLA Management**
- **Reporting and Analysis**

# OPTIMIZE YOUR BUSINESS OPERATIONS.





## Asset Management

VAIL-CMMS brings together the information of an organization's physical assets onto a single screen. It enables you to manage and maintain assets in real-time across many business locations. It manages data by gathering, matching, normalizing, cleansing and storing it. Allows all team members to create governance through a single asset management program.

VAIL-CMMS enables you to define, record, access and share details of a Technical Object including the following:

- Keep track of Asset manufacturer, model, serial number and FL/EQ class and type
- Gain insights into Asset Health and Criticality
- Monitor Asset Reliability and Validity
- Asset Tree Hierarchy with complete information of parents /children relationship
- Locate the Asset with the stored Location details
- Associate a number of documents with your assets and more.

## Maintenance Notifications

The maintenance notifications in VAIL-CMMS allows you to process any type of information or problems that may arise in your company's business processes. Avoid failures by allowing your professionals to record and process data ranging from simple enquiries to complex, specialized problems.

Using notifications you can perform a variety of operations in the system including:

- Keep track of the asset details, breakdown details and action performed.
- Describe faults or exceptions based on notification type.
- Monitor notification processing activities from the start of the request to the end date.
- Assign tasks and co-ordinate with the department affected by the problem.
- Record the list of tasks and work performed.

## Work Order Management

VAIL-CMMS helps you in creating work orders to undertake periodic/planned equipment maintenance, reducing downtime. Work Order Management is now easier than ever. Convert your notification into maintenance order or create a new work order to track costs and record all maintenance related activities. Not only this, VAIL-CMMS also allows you to track labor resources by trade, accounting for holidays and tracking nonproductive and neutral work hours along with any downtime.

Avoid the troubles of traditional paper work and systematically track orders from a single dashboard. You can address a malfunction either by transforming a Notification into Work Order or as a standalone feature, which is then approved after relevant screening and authorization. The work order is then planned and scheduled in Maintenance Planning, its reading is stored in Measuring Point Reading and the work order timeline is finally recorded in Order Time Recording. Work orders provide significant information on maintenance performance, costs, and equipment history by containing precise data regarding the work in question.

Among the information tracked with work orders include:

- Type of work order, asset information, description, and priority
- Maintenance Activity, Work Center, Location and Timeline details
- Operational instructions and their scheduled start and completion dates
- Assign Cost Center, WBS element, or technical profile
- Detailed information for Personnel allocated, work hours, material used and expenses
- Detailed spare component utilization
- Define strategy, frequency and Task List
- Associate a number of documents with your work order
- Work Order life cycle data: what is the current status of Work Order, is it 'in process', 'deleted', 'completed' or 'closed'?

**VAIL-CMMS / Work Order**

**Edit Work Order**

Buttons: Create, In Process, Delete, Close, Cancel, Complete

Order Number: W100000003

\*Description: WO PL2

Equipment: FIT-121A - TRANSMITTER, ...

\*Order Type: PM01 - Maintenance Order

Order Date: 28-Jun-2021

\*Priority: Critical

\*Functional Location: 10E-5401A - TRAIN 1 CRU...

System Status: Created

User Status: Hold

Long Description: Long Description

Tabs: Main, Operations, Spares, Location, Accounting, Planning, Documents, Classification, Measuring Point

**Timeline**

Maint Activity: Replace - Replace

Planner Group: PG-02 - Planner Group 2

Technical Profile: TP-02 - Technical Profile 2

Plant: Plant 2 - PL2

Main Work Center: PC-SERVS2 - PC-SERVS2

Equipment Technical: 121

Is Break Down: ☒

Is Shut Down: ☒

Search Field: WO PL2

Buttons: Cancel, Save

Priority	Plant	Actions
Critical	Plant 2	<a href="#">View</a> <a href="#">Edit</a>
Low	Plant 3	<a href="#">View</a> <a href="#">Edit</a>
Critical	Plant 1	<a href="#">View</a> <a href="#">Edit</a>

## Maintenance Planning and Execution

One of the most important functions of a CMMS is planning and scheduling maintenance work. Effective maintenance planning helps you to reduce costs and boost productivity by helping you keep a track of safety procedures, measurement points, inspection routes and equipment downtime. It can give your organization the advantage including optimization of assets and minimizing breakdown occurrence. It allows you to create Maintenance Plans and includes the service tasks to be performed for the asset at predetermined intervals of time or other usage metrics.

With advanced built-in features, VAIL-CMMS enables you to set-up Time-Based, Performance or Single Cycle maintenance strategies and automatically send email reminders to technicians when assets are due for maintenance. Our CMMS not only makes your day-to-day maintenance tasks easier, moreover it helps ensure assets run smoothly and experience minimal unplanned downtime.

VAIL-CMMS performs mentioned tasks for inspection:

- Determine whether the task is planned maintenance or unplanned maintenance
- Establish asset maintenance policies, including preventative maintenance programs, tasks, components, and resources.
- Associate Documents with Inspection Plan
- Setup maintenance based on Time-Based, Performance or Single Cycle strategies
- Calculate the remaining life and the Next Inspection date of your asset
- Automated Work Order Scheduling
- Track your maintenance operations whenever necessary
- Easy creation of work orders
- Automated alarms and notices for Maintenance scheduling
- Execution of outline checks in accordance with your company's maintenance strategy
- Develop daily, weekly and monthly schedules, determining priorities for work, assigning maintenance work to technicians and maximizing asset availability.

**Edit Maintenance Plan**

\* Plan Category: Work Order  
 \* Unit: 11E-5402  
 \* Call Horizon: 2  
 \* Start Date: 08-Nov-2021  
 \* Is Order Completion: ☒

Serial Number	Description	Functional Location	Equipment	Maintenance Activity	Work Order Type	Notification Type	Plant	Priority	Actions
P000023	Item 2 Description	11E-5402	11E-5402	Modify	PM01	M2	Plant 2	Critical	Delete Edit
P000024	Item 3 Description	11E-5401A	TIT-122A	Modify	PM03	M3	Plant 3	Medium	Delete Edit

**Maintenance Plan Items**

\* Code: PM01V02  
 \* Description: PMT  
 \* Maintenance Plan Group: PG-02 - Plan Group 2  
 \* Plan Category: Work Order  
 \* Unit: 11E-5402  
 \* Call Horizon: 2  
 \* Start Date: 08-Nov-2021  
 \* Is Order Completion: ☒

\* Fixed Date / Calendar Date: Fixed

**Maintenance Plan Items**

Serial Number	Description	Functional Location	Equipment	Maintenance Activity	Work Order Type	Notification Type	Plant	Priority	Actions
P000023	Item 2 Description	11E-5402	11E-5402	Modify	PM01	M2	Plant 2	Critical	Delete Edit
P000024	Item 3 Description	11E-5401A	TIT-122A	Modify	PM03	M3	Plant 3	Medium	Delete Edit

**Maintenance Plan Scheduling**

\* Work Order: ORDER1 - Order 1 Desc  
 \* Work Date: 15-Jan-2021  
 \* Work Start: 11:36 AM  
 \* Work End: 04:41 PM  
 \* Actual Work: 5.5  
 \* Cost: 25.40  
 \* Is Final Entry: ☒

\* WO System Status: TechCompleted  
 \* Operation: 10 - Operation 1  
 \* Worked By: Select Worked By

**Order Time Recording List**

WO Number	Operations	Work Date	Work Start	Work End	Actual Work	Actual Hours	Work Center Rate	Cost	Worked By	Actions
ORDER1	10 - Operation 1	15-Jan-2021	11:36 AM	04:41 PM	5.5	5.5				

**Maintenance Plan**

**Measuring Documents**

Work Order	Operation	MP Codes	MP Codes Description	MP Reading
ORDER1	10 - Operation 1	TML 2	tml	test reading
ORDER1	10 - Operation 1	TML 2	TML 2	test reading
ORDER1	10 - Operation 1	P2	P2	test reading
ORDER1	10 - Operation 1	MP 1	MP 1	test reading
ORDER1	10 - Operation 1	MP 5	MP 5 Desc	test reading

## Order Time Recording

Calculating the efficiency of your stocked assets is now as easy as ABC. Our robust CMMS system is all set to provide the complete history with order time recording. This allows you to keep track of your asset condition, asset maintenance activities, and open orders. With precise order history recordings for equipment maintenance, you'll never have to deal with downtime again.

## TML Recording

By regular inspections, you can avoid malfunctions and keep the work speed up with thorough inspection. TML (Thickness Measurement Location) records are readings taken at specific points on an asset or one of its components. VAIL-CMMS is smartly configured to assess the inspection outcomes automatically and provide accurate TML records, reducing downtime.

- To perform more extensive inspections, classify inspection points including:
- Minimum and maximum values
- Detailed Inspection Results
- Nominal values
- Tolerances and default actions for out-of-measurement limits
- Preventive maintenance actions when a minimum and maximum value is recorded

## FL/Equipment Downtime

Say goodbye to the equipment downtime with VAIL CMMS. Create and send real time notifications in case of malfunction of any of the equipment. In addition, use catalogs or even add codes in notifications to fix the issues instantly. This helps you to maintain the production flow when there is a technical equipment breakdown.



## Resource Management

Using CMMS you can record for all maintenance personnel, including their craft or trade categories, such as mechanic, electrician, or plumber. You can configure labor rates in order to track and capture actual labor costs for any asset or equipment piece. VAIL-CMMS caters the maintenance managers to also track skill levels and qualifications for every resource to help in planning and scheduling the work.

## Work Center

In VAIL-CMMS, Work Center is used in routing operations and production orders. Data in work center is used for capacity calculation, scheduling of operations/orders and calculating actual operation costs. Work centers help in calculation of start date/start time and end date/end time of an operation performed in a work center based on a requirement date. Additionally, work center allows you to calculate activity cost based on the master data it gathers. Work center eliminates the manual or machine effort of tracking production operations and activities.

## Mobile CMMS

With the mobile app guiding each step of the work order process, the team can be aligned and standardized when it comes to the processes. It further helps in:

- Reducing the opportunities for errors by working directly in the CMMS from your mobile device.
- Speed up the whole process with faster feedback knowing that your digital work orders don't have to be batch uploaded at the end of the day.



## Inventory management

A big part of inventory management is making sure the maintenance department always has what it needs to keep your assets and equipment up and running. Vail CMMS makes sure that the deliverables, i.e. the maintenance parts and materials techs get the job done.



## Reporting and Analysis

Skip the hassle of maintaining reports with VAIL CMMS. Maintain reports that deliver insights with just a click. Generate reports for asset availability, work orders, materials usage, labor hours, MTTR, material costs and more among other maintenance categories. Use the data to easily complete maintenance activities ranging from daily tasks to yearly planning.

Have a check on real-time KPIs, set benchmarks and make informed decisions without the number crunching. Gather and organize information to understand asset availability, performance trends, MRO inventory optimization and other information to support business decisions. Dashboard compliments your maintenance activity and helps keep your team on the same page. With a single screen dashboard view, enjoy the feasibility to filter date by project, time, users, assets and more.

**Report**

**VELOSII** **Work Order Summary**

Functional Location	10E-5401A	Work Order Desc.	WO PL2	Priority	Critical
Equipment	FIT-121A	Work Order Type.	PM01	System Status	Created
Work Order No.	W100000003	Work Order Date.	6/26/2021 10:46:24AM	User Status	Hold

**Main Data**

General					
Main Activity	Replace	Plant	Plant 2	Is Break Down	True
Planner Group	PG-02	Main Work Center	PC-SERVIS2	Is Shud Down	True
Technical Profile		Equipment Technical	121	Search Field	WO PL2

**Time Line**

Start Date	06/29/2021	Actual Start Date		Release Date	
End Date	07/02/2021	Actual End Date		Confirm Date	
Scheduled Start Date	06/29/2021	Completion Date			
Scheduled End Date	07/08/2021	Closing Date			

**Operations**

Operation Type	Description	Plant	Work Center	Work Required	Man Required
Internal	Opri 10	2	24	1.00	1

**Spares**

Material	Material Type	Quantity	Unit
105597	STEM	2.00	second

**Location**

Maintenance Plan	PLAN2	Area	1	HSE Criticality	
Plan Section	2	Criticality	1	Location	1

**Accounting**

Cost Center	MECN003	WPS Code	WBS 6
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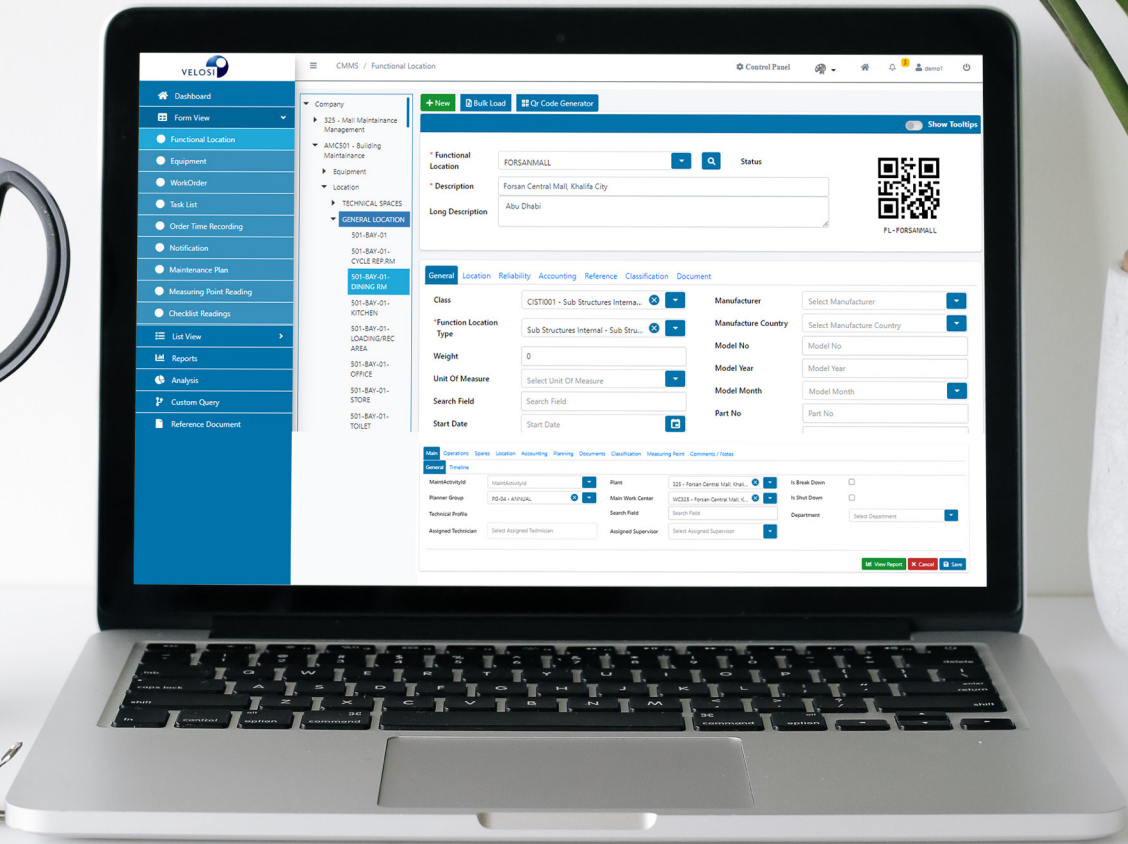
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## Integrations with 3rd party applications

Automate your process to save time. Turn Data into action with smooth integration which incorporates:

- Accounting
- Enterprise Asset Management (EAM)
- Enterprise Resource Planning (ERP)
- Fleet Management and GPS
- IoT Hardware and software
- Project Management
- Inventory Management
- Others





# Module Overview

## Work Order Management

Feature	Functionality	Benefits
Work Request Portal	<ul style="list-style-type: none"> <li>Unlimited user access to submit work requests and receive automatic updates in the portal.</li> <li>Users can sort and track all submitted work order requests.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce the number of duplicate work requests.</li> <li>Easily identify which requests are on priority and need to be addressed first.</li> </ul>
Work Order Form	<ul style="list-style-type: none"> <li>Indicate maintenance type, priority, status, attach files as manuals or an image of the issue.</li> <li>Include spare parts needed for repair or operation.</li> </ul>	<ul style="list-style-type: none"> <li>Helps maintenance technicians understand problems more quickly, resulting in faster repairs and reduced downtime.</li> <li>Categorization for work orders that enables efficient searching, grouping, and reporting.</li> <li>Helps maintenance technicians quickly order necessary parts, reducing repair time and managing inventory.</li> </ul>
Time Tracking	<ul style="list-style-type: none"> <li>Set due dates for work orders.</li> <li>Order Time Recording.</li> </ul>	<ul style="list-style-type: none"> <li>Estimate hours on work orders and labor tasks to measure progress against actual completion time.</li> <li>Determine KPIs to track performance, and analyze costs, and overdue orders.</li> </ul>
Work Assignment	<ul style="list-style-type: none"> <li>Assign work orders to individual or multiple users, or user groups, manually or automatically.</li> </ul>	<ul style="list-style-type: none"> <li>Team can focus on completing their assigned tasks rather than spending time and effort on task allocation.</li> <li>Improve task quality, reduce delays, prevent backlogs, and ensure that projects are completed on time.</li> </ul>
Cost Tracking	<ul style="list-style-type: none"> <li>Track labor, material, and other costs associated with each work order to calculate total work order cost.</li> </ul>	<ul style="list-style-type: none"> <li>Optimize project budgets, reduce costs, and increase profitability by identifying areas for improvement and streamlining resource allocation.</li> </ul>
Multi-Asset Work Orders	<ul style="list-style-type: none"> <li>Create work orders for multiple assets and reuse task lists to simplify the task creation.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce clutter and streamline the task creation process.</li> </ul>
Work Order Tagging & Scanning	<ul style="list-style-type: none"> <li>QR code scanning for asset-linked work orders.</li> </ul>	<ul style="list-style-type: none"> <li>Scan the QR code with a mobile app to quickly find and pull up the list of work orders related to that asset.</li> </ul>
Custom Fields	<ul style="list-style-type: none"> <li>Create your own custom field to track additional information.</li> </ul>	<ul style="list-style-type: none"> <li>Businesses can tailor work order tracking to their specific needs, which can result in accurate data.</li> </ul>



## Maintenance Scheduling

Feature	Functionality	Benefits
Scheduled Maintenance	<ul style="list-style-type: none"> <li>Set up maintenance templates with triggers to automate preventive maintenance tasks.</li> <li>Visualize a list of upcoming preventive maintenance and inventory consumption.</li> </ul>	<ul style="list-style-type: none"> <li>Simplify processes with pre-set templates to reduce manual setup for recurring tasks.</li> <li>Track scheduled maintenance in one place to facilitate planning and resource allocation.</li> </ul>
Tasks & Task Groups	<ul style="list-style-type: none"> <li>Automatically associate task lists with work orders by assigning task groups to assets.</li> <li>Create a library of tasks and task lists for scheduled maintenance, checklists, standard repair procedures.</li> </ul>	<ul style="list-style-type: none"> <li>Standardize and streamline maintenance operations.</li> <li>Automatically associating task lists with work orders through repurposing task groups.</li> </ul>
Asset Inspection	<ul style="list-style-type: none"> <li>Include inspection-style tasks to scheduled maintenances and work orders.</li> <li>Set up automatic triggers to follow up on failed inspection/work orders.</li> </ul>	<ul style="list-style-type: none"> <li>Identify potential issues before they become major problems, which can increase equipment reliability.</li> </ul>
Triggers	<ul style="list-style-type: none"> <li>Automate preventive maintenance work order creation triggered by date, time, meter readings, or events.</li> </ul>	<ul style="list-style-type: none"> <li>Optimize your preventive maintenance to reduce equipment downtime, prevent costly breakdowns, and extend the lifespan of the equipment.</li> </ul>

## Work Order Execution

Feature	Functionality	Benefits
Internal & External Notifications	<ul style="list-style-type: none"> <li>Send and receive automatic notifications for assigned work orders through email, mobile push notification, or web app.</li> </ul>	<ul style="list-style-type: none"> <li>Timely communication leading to faster completion of work orders.</li> </ul>
Work Order History & Work Log	<ul style="list-style-type: none"> <li>Centralized work order updates tracking.</li> <li>Asset work order history view.</li> </ul>	<ul style="list-style-type: none"> <li>Easy access to historical work order data for analysis and decision-making.</li> <li>Better accountability and transparency of work order activities.</li> <li>Helps identify trends, patterns, and potential issues in asset maintenance and management.</li> </ul>
Failure Codes	<ul style="list-style-type: none"> <li>Set up most common failure codes and select a preset problem code to understand possible causes and actions.</li> </ul>	<ul style="list-style-type: none"> <li>Simplify troubleshooting with pre-set failure codes.</li> <li>Run reports on common problem and cause codes to determine if there is a recurring issue.</li> <li>Quickly identify the cause and potential solutions for common issues.</li> </ul>
Mobile Work Orders	<ul style="list-style-type: none"> <li>Work orders accessible offline through mobile application.</li> </ul>	<ul style="list-style-type: none"> <li>Save time and work uninterrupted with maintenance information on the go.</li> <li>Access, manage, and complete work orders anytime and anywhere with or without an internet connection using the mobile app.</li> </ul>

## Asset Management

Feature	Functionality	Benefits
Asset Hierarchy	<ul style="list-style-type: none"> <li>• Arrange your assets in a hierarchical manner.</li> <li>• Ability to map Parent-Child relationship of all sub assets with respective main assets.</li> </ul>	<ul style="list-style-type: none"> <li>• Clear representation and location of your assets organized in your facility.</li> <li>• Saves time in locating the asset effortlessly.</li> </ul>
Multi-Site Management	<ul style="list-style-type: none"> <li>• Sort, view data, and organize users by site.</li> <li>• Understand maintenance KPIs based on site data in real-time and in multiple languages.</li> </ul>	<ul style="list-style-type: none"> <li>• Compare sites to one another to determine what works and what doesn't.</li> <li>• Complete view of maintenance across multiple sites around the organisation in one central location.</li> </ul>
Asset Tagging & Scanning	<ul style="list-style-type: none"> <li>• QR codes and barcodes are automatically generated for all of your assets.</li> <li>• Bulk printing for asset tags.</li> <li>• Scan tags with your mobile app to pull up asset records.</li> </ul>	<ul style="list-style-type: none"> <li>• Optimize your preventive maintenance to reduce equipment downtime, prevent costly breakdowns, and extend the lifespan of the equipment.</li> </ul>
Asset Categories	<ul style="list-style-type: none"> <li>• Group similar assets together by creating custom categories .</li> <li>• Establish SOPs by automatically assigning task sequences to all work orders associated with an asset category.</li> </ul>	<ul style="list-style-type: none"> <li>• Automatically attach SOPs to similar assets to ensure consist work across assets.</li> <li>• View KPIs based on asset category grouping.</li> </ul>

## Asset Tracking

Feature	Functionality	Benefits
Asset Profile	<ul style="list-style-type: none"> <li>• Maintain a centralized record of asset master data/information.</li> <li>• Attach files and important information like vendor, warranty,BOM or other relevant details.</li> </ul>	<ul style="list-style-type: none"> <li>• Keep all asset information in one centralized location.</li> <li>• Monitor assets and asset data without paper work or communication lapses.</li> </ul>
Asset Log	<ul style="list-style-type: none"> <li>• Maintain all aspects of your equipment history with a detailed log of work order history, active work orders, offline history, parts usage, and more.</li> </ul>	<ul style="list-style-type: none"> <li>• Capable to easily pull up asset history for audits and see asset details and work history at a glance.</li> </ul>
Meter Readings	<ul style="list-style-type: none"> <li>• Utilise meter readings to monitor equipment usage.</li> <li>• Based on equipment KPI's schedule maintenance.</li> <li>• Connect VAIL-CMMS with production systems like PLCs and sensors for real-time meter reading data.</li> </ul>	<ul style="list-style-type: none"> <li>• Keep a history of asset meter readings to see trends over time.</li> <li>• Accurate preventive maintenance cycles by scheduling work based on equipment usage.</li> <li>• Reduce chances of data error with meter reading data fed directly from production systems.</li> </ul>
Custom Fields	<ul style="list-style-type: none"> <li>• Create your own custom field to track additional information.</li> </ul>	<ul style="list-style-type: none"> <li>• Customize your asset records based on the way you manage your equipment.</li> </ul>
Downtime Tracker	<ul style="list-style-type: none"> <li>• Track and measure equipment uptime and downtime.</li> <li>• Customize and assign a reason code for your downtime events.</li> </ul>	<ul style="list-style-type: none"> <li>• MTTR and MTBR can be easily determined.</li> <li>• Identify downtime reasons over time by recognising</li> </ul>
Cost Tracker	<ul style="list-style-type: none"> <li>• Maintenance costs for a single machine, a group of assets, or all your equipment can be tracked.</li> <li>• Track labor, material, and other costs associated with each work order to calculate total work order cost.</li> </ul>	<ul style="list-style-type: none"> <li>• Better financial visibility into their operations, allowing them to make more informed decisions and allocate resources more effectively.</li> </ul>

## Inventory Management

Feature	Functionality	Benefits
Parts Profile	<ul style="list-style-type: none"> <li>Includes detailed record-keeping for parts, including type, make, model, cost, vendor, stock, location, and associated warranties and files.</li> </ul>	<ul style="list-style-type: none"> <li>Control inventory levels, reduce waste, stockouts, and ensure that they have the right parts available when they need them.</li> <li>Optimize inventory turnover and accuracy.</li> </ul>
QR Codes	<ul style="list-style-type: none"> <li>Association of barcodes or system-generated QR codes with parts.</li> <li>Scan QR or barcodes to check out a part.</li> </ul>	<ul style="list-style-type: none"> <li>Capable to perform the Asset Scanning and Tracking via barcode/QR Code to identify similar assets.</li> </ul>
Multi-Site Parts Management	<ul style="list-style-type: none"> <li>Manage and track parts across multiple locations from a centralized system.</li> </ul>	<ul style="list-style-type: none"> <li>View stock across all sites and avoid shipping costs for critical spares by sharing parts between sites.</li> </ul>
Parts & Supplies Log	<ul style="list-style-type: none"> <li>Maintain a detailed log of all parts and supplies used in their operations.</li> </ul>	<ul style="list-style-type: none"> <li>Track the quantity and cost of parts used, as well as increase accountability across the operations.</li> </ul>
Minimum Stock Quantity	<ul style="list-style-type: none"> <li>Minimum threshold for the quantity of parts need to maintain in their inventory.</li> <li>Automatic notifications to alert the inventory manager to reorder the parts.</li> </ul>	<ul style="list-style-type: none"> <li>Avoid stockouts and reduce the risk of production delays, downtime and other operational issues caused by parts shortages.</li> </ul>
Inventory Cycle Count	<ul style="list-style-type: none"> <li>Perform periodic inventory cycle counts.</li> <li>Keep track of who performed the inventory cycle count and when.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce the risk of production delays or other issues caused by inaccurate inventory data.</li> <li>Periodically verify actual inventory levels against those recorded in the system.</li> </ul>
BOM	<ul style="list-style-type: none"> <li>Associate parts and materials with specific assets.</li> </ul>	<ul style="list-style-type: none"> <li>Provide component lists to technicians for assembling and maintaining a particular asset or piece of equipment as required.</li> </ul>

## Maintenance Report

Feature	Functionality	Benefits
Dashboard	<ul style="list-style-type: none"> <li>Real-time and customizable overview of inventory, maintenance, and operations data.</li> <li>Can display various metrics and KPIs such as work orders, equipment status, inventory levels, and other relevant data points.</li> <li>Quickly access the data sources and details by clicking on interactive widgets.</li> </ul>	<ul style="list-style-type: none"> <li>Identify trends and patterns easily, pinpoint issues that require attention like MTTR, overdue work orders, low stock items, offline assets, and more.</li> <li>Interactive visual maintenance data to make faster and more informed decision-making.</li> </ul>
Reports	<ul style="list-style-type: none"> <li>Customise and build your own reports.</li> <li>Generate automatic reports with built-in check list.</li> </ul>	<ul style="list-style-type: none"> <li>Analyze and visualize data in a variety of ways, including tables, charts, and graphs, and to gain insights into their operations.</li> <li>Reduce the need for manual data manipulation, saving time and streamlining the reporting process.</li> </ul>
Audit	<ul style="list-style-type: none"> <li>Generate accurate, real-time, asset audit trail information.</li> </ul>	<ul style="list-style-type: none"> <li>Plan audit activity and generate an asset register checklist for physical audit and records verification.</li> <li>Improve data integrity, reduce errors and discrepancies, and optimize their operations.</li> </ul>

## Admin Capabilities

Feature	Functionality	Benefits
User Groups	<ul style="list-style-type: none"> <li>Organize users into groups.</li> <li>Share dashboards, assign work, manage permissions, and more to groups.</li> </ul>	<ul style="list-style-type: none"> <li>Streamline your team management with the department and team-based permissions.</li> <li>Simplify administrative tasks by applying changes to groups instead of individuals.</li> </ul>
User Permissions	<ul style="list-style-type: none"> <li>Streamline your user management by using user groups to assign appropriate viewing and editing permissions.</li> <li>Establish manager-team relationships and configure notifications.</li> </ul>	<ul style="list-style-type: none"> <li>Authorized users can make changes to critical data that reduces the risk of errors and inaccuracies.</li> <li>Each team member will have access to the information &amp; tools they need to do their job effectively, reducing time spent on administrative tasks.</li> <li>Ensure everyone is notified the way you need them to be.</li> </ul>
User Tracking	<ul style="list-style-type: none"> <li>Generate reports on how long technicians work on each work order.</li> </ul>	<ul style="list-style-type: none"> <li>Keep a track on each team member's productivity and how they are doing their job effectively.</li> <li>Ensure the technician is working on the appropriate work order.</li> </ul>
User Logs	<ul style="list-style-type: none"> <li>Record complete log of user and their activities.</li> </ul>	<ul style="list-style-type: none"> <li>Generate Complete system log as report to perform system audits.</li> <li>Be informed on activities and changes happening in the system time to time.</li> </ul>
Custom Branding	<ul style="list-style-type: none"> <li>Brand your CMMS with your company logo.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure your reports, printed work orders, asset tags, emails, and more are branded to display your custom logo.</li> </ul>
Configurable Interface	<ul style="list-style-type: none"> <li>Customize the appearance of CMMS such as work order forms, asset register, list views, dashboards and more.</li> <li>Set mandatory fields and add custom fields, change drop-down fields, and more.</li> </ul>	<ul style="list-style-type: none"> <li>Configure the CMMS so that it informs and reinforces internal processes as required.</li> <li>Add your own fields for any inputs that are unique to your organization.</li> </ul>
Customizable Workflows	<ul style="list-style-type: none"> <li>Customize CMMS workflow so that certain actions are triggered based on changes and updates.</li> </ul>	<ul style="list-style-type: none"> <li>Automated Email approval to streamline maintenance workflows and ensure the CMMS is configured to align with specific processes and escalations.</li> </ul>
Customizable Lookup Tables	<ul style="list-style-type: none"> <li>Add, remove, or edit CMMS fields such as work order priority, work order status, meter reading units, asset event types, and more.</li> </ul>	<ul style="list-style-type: none"> <li>Benefit maintenance teams by improving efficiency, accuracy, and consistency in data entry.</li> </ul>
Language Translation	<ul style="list-style-type: none"> <li>VAIL-CMMS supports custom build translations on any language of your choice.</li> </ul>	<ul style="list-style-type: none"> <li>Technicians can work in their preferred language to make sure your team is adopting the software.</li> </ul>
Firewall	<ul style="list-style-type: none"> <li>Provide secure access to software by assigning IP ranges to any user or user group.</li> </ul>	<ul style="list-style-type: none"> <li>Keep your data secure and ensure access is only granted to approved personnel.</li> </ul>
Database Export	<ul style="list-style-type: none"> <li>Provide a detailed set of CMMS data to download and store it offline.</li> </ul>	<ul style="list-style-type: none"> <li>Periodically backup production data or to run more complex business intelligence through tools and services such as MS SQL.</li> </ul>





## Integration

Feature	Functionality	Benefits
Smart Connectors	<ul style="list-style-type: none"> <li>Connect your maintenance workflows with ease using our certified software integrations, including popular ERPs such as SAP.</li> <li>Our in-house software is highly customizable, allowing you to tailor it to your specific needs.</li> </ul>	<ul style="list-style-type: none"> <li>VAIL-CMMS can easily connect with other software systems, reducing the need for manual data entry and improving data accuracy.</li> <li>Centralize your financial data and gain visibility into maintenance costs, inventory expenses, and more.</li> <li>Improve efficiency &amp; user experience by providing only the necessary features and eliminating unnecessary clutter.</li> </ul>
IoT Integration	<ul style="list-style-type: none"> <li>Automate processes by integrating IoT data with VAIL-CMMS providing more comprehensive insights.</li> <li>Automatically trigger condition-based maintenance.</li> </ul>	<ul style="list-style-type: none"> <li>Improved asset reliability and uptime through proactive, condition-based maintenance triggered by IoT data.</li> <li>Better decision-making through more comprehensive insights into asset performance and overall maintenance operations.</li> </ul>
API Integration	<ul style="list-style-type: none"> <li>Integrations through Rest API services.</li> </ul>	<ul style="list-style-type: none"> <li>Create custom integrations using Rest API to connect VAIL CMMS directly to IOTs to trigger maintenance by integrating with other third-party services.</li> </ul>

## Mobile Application

Feature	Functionality	Benefits
Offline Mode	<ul style="list-style-type: none"> <li>Seamless transition from online to offline mode.</li> <li>Mobile app data automatically syncs to the web app once you have service.</li> <li>Automatically synchronized with the CMMS database once online.</li> </ul>	<ul style="list-style-type: none"> <li>Allows users to access and update critical maintenance data even when they are not connected to a network.</li> <li>Offline mode saves changes locally and syncs with the CMMS once back online automatically.</li> </ul>
QR Code & RFID Scanner	<ul style="list-style-type: none"> <li>Quick information retrieval through scanning QR codes and RFID's.</li> </ul>	<ul style="list-style-type: none"> <li>Effortlessly retrieve asset and work order information.</li> <li>Effortlessly distinguish between similar-looking assets.</li> </ul>
Digital Signature	<ul style="list-style-type: none"> <li>Secure authentication with the help of digital signatures.</li> </ul>	<ul style="list-style-type: none"> <li>The digital signature functionality ensures that only authorized personnel can approve work orders.</li> <li>Update work-order completion using a digital signature to prevent ambiguity.</li> </ul>
Image Capture & Upload	<ul style="list-style-type: none"> <li>Uploading images directly to the work order, eliminating the need for manual documentation.</li> <li>Associating images with specific work orders or assets for easy reference.</li> </ul>	<ul style="list-style-type: none"> <li>Provide a visual reference for maintenance tasks and simplify the documentation process.</li> <li>View images of broken equipment for repair insights.</li> </ul>
Push Notifications	<ul style="list-style-type: none"> <li>Receive alerts and notifications when a work order is created.</li> </ul>	<ul style="list-style-type: none"> <li>Receive real-time notifications whenever a work order is assigned, completed.</li> <li>Receive customized notifications on equipment breakdowns, failures, and material requests, etc</li> </ul>
Work Order Management	<ul style="list-style-type: none"> <li>View, sort and update work orders and incoming requests.</li> <li>Create new work orders and access information such as description, due date, tasks, SOPs, suggested parts, manuals, and images.</li> </ul>	<ul style="list-style-type: none"> <li>Easily access and prioritize work order information.</li> <li>Complete tasks without the need for paper work orders.</li> <li>Track work progress remotely, ensuring that data is precise and up-to-date.</li> </ul>
Asset Management	<ul style="list-style-type: none"> <li>Arrange your assets in a hierarchical manner.</li> <li>Attach files and important information like vendor, warranty,BOM or other relevant details.</li> <li>Manage your assets between online and offline modes.</li> <li>Visual documentation by attaching and uploading images.</li> </ul>	<ul style="list-style-type: none"> <li>Instantly retrieve asset details and their location within your facility.</li> <li>Obtain real-time asset information, such as BOM or work order history, to troubleshoot issues on-the-go.</li> </ul>
Parts & Supplies Management	<ul style="list-style-type: none"> <li>Includes detailed record-keeping for spare parts.</li> <li>Perform periodic inventory cycle counts.</li> <li>Use of spare parts against work orders.</li> </ul>	<ul style="list-style-type: none"> <li>Easily check out a part to a work order.</li> <li>Ensure your inventory is accurate with a scan to update mobile inventory cycle count feature.</li> </ul>

# OPTIMIZE YOUR BUSINESS OPERATIONS

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## Industry Sectors Benefiting from CMMS in their Operational Movements

 Manufacturing	 Health Care	 Food & Beverages	 Facility Management	 Hotel & Resorts	 Non profit
 Retail & Restaurants	 Schools & Education	 Government	 Farm & Agriculture	 Warehouse	 Others

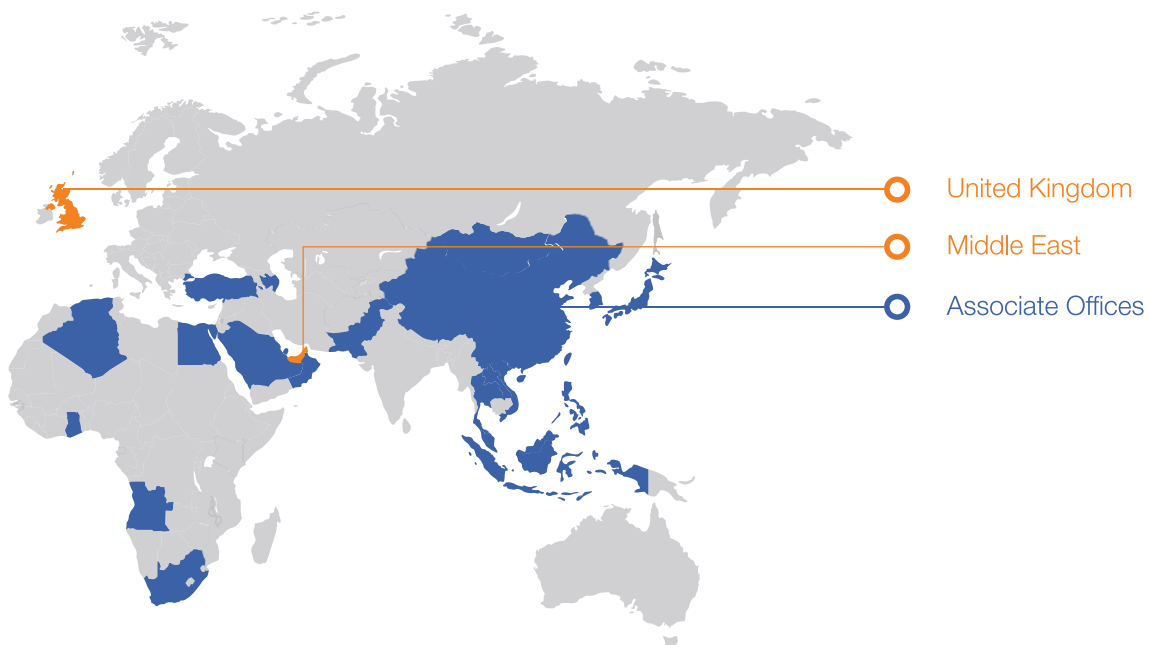
## Why Choose Us?

- We provide client-specific solutions.
- Our team of experts can help you to modify or add any custom features that help in business growth.
- We ensure that all of our modules are designed for specific requirements for your business operation.
- We have strong elements of technical knowledge and believe in upholding reliability.
- We are committed to providing continuity of development to ensure the consistency of our software performance and adding extra features.

## Our Strengths

 <b>ONE-STOP SOLUTION</b>	 <b>100+ SOFTWARE SOLUTION EXPERTS</b>	 <b>WORLDWIDE SERVICE</b>	 <b>PARTNERING WITH THE WORLD'S TOP COMPANIES</b>	 <b>BUILDING LONG TERM CLIENT RELATIONS</b>	 <b>GLOBAL REACH, LOCAL SERVICE</b>
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## Velosi Worldwide



## Some of Our Clients

Since 2010, we are providing multiple software solutions for business operations & development in various industries which helps clients to reach their full potential to maximize the use of their assets and meet customer satisfaction. We are working with some of the world's largest companies, including Petronas, PlusPetrol, BSR Petrovietnam, JAZAL, PPL, H2AIM, TANAP, ADNOC, SNGPL, Dragon Oil, BUNDUQ, Lukoil, KJO, IDEMITSU, Equion and many others.



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DIGITAL BROCHURE



ENGINEERING FOR  
A SAFER WORLD