

Analytical Enterprise Project Management Platform

IN A BOX



HUMWORKS™

Project Planning



It is a comprehensive project planning tool that enables the development of project timeline inclusive of resource management and project cost analysis.

Integrated Platform



The HUMWORKS Application Suite consist of all applications required to manage a construction project effectively in a single integrated analytical platform.

Analytical Dashboard



Real time dashboard with insights on project performance, workforce/machinery allocation and movement, environmental conditions, risk, incidents and more.

KEY BENEFITS OF HUMWORKS

Real-Time Project Monitoring and Control



It precisely monitors and control daily construction activity, work plan progress, issues, incidents, project performance, productivity, and profitability in real time.

Real time IoT Data Capture



HUMWORKS IoT and CCTV devices placed at strategic locations provides real time data feed on weather, humidity, dust, noise, workforce, and machinery movement.

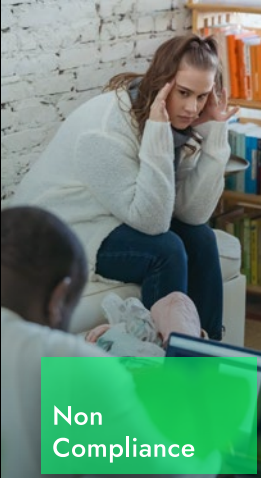
Predictive Analytics



Analysis of KPI from time-series data, helps identify anomalies, detect patterns that predicts issues, likely outcomes, enabling early intervention and corrective action.

COMMON PROBLEMS FACED BY

PROJECTS GLOBALLY



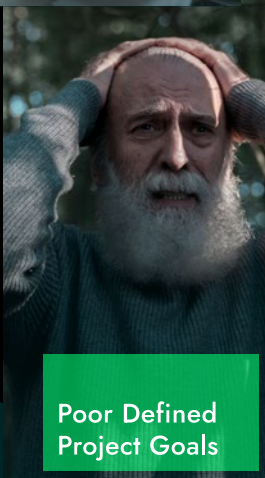
Non
Compliance



Cost
Overrun



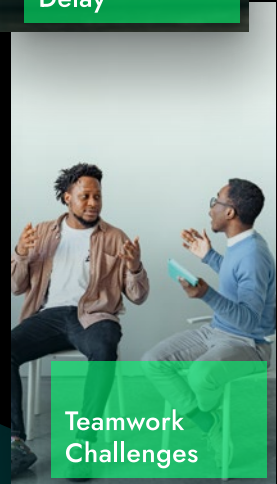
Schedule
Delay



Poor Defined
Project Goals



Lack of Proper
Communication



Teamwork
Challenges

“ One in every six projects cost more than 200% of the estimated amount and almost 70% of projects face project delays. ”

- Harvard Business Review
November 2020

RESOLVE PROJECT MANAGEMENT CHALLENGES

52%

Scope Creep

49%

Budgeting
Issues

39%

Lack of Real Goals
& Success Criteria

32%

Lack of
Communication

29%

Inadequate Skills
of Team Member

22%

Lack of
Accountability

19%

Unrealistic
Deadlines

12%

Inadequate
Risk Management

9%

Limited Engagement
of Stakeholders



HUMWORKS™ INCREASE

PERFORMANCE
PRODUCTIVITY
PROFITABILITY

PERFORMANCE

HUMWORKS increases your team's performance by optimizing your system's speed and efficiency rapidly. It transforms your systems do more work per time run and streamlines the uses available resources.

PRODUCTIVITY

HUMWORKS increases your productivity by completing tasks in less time and with less effort. It's affordable, scalable, and it's easy to learn.

PROFITABILITY

HUMWORKS increases your company's profits by ensuring your team keeping track of projects and completing it in organized manner. In project management, it is essential to maximize profitability where every expenditure is being monitored. HUMWORKS makes your projects more feasible and do not break in the halfway.



Portfolio Management

Configure your programme, project and users

Select, prioritize, and control your organization's programmes and projects according to the organization's strategic goals and performance. Setup numerous Programmes and its associated project along with user roles & permissions and assign user accordingly.



Scheduler

Plan your project and work management

Plan and manage project milestones and activities of any size. Employed by different type of users with varying level of access and provide powerful project management capabilities for planning, prioritizing and managing projects and costs.



Risk Management

Qualitative and quantitative risk management

Track risk across various projects by identifying, analyzing, mitigating and controlling significant risk that has potential to negatively impact projects, including risk performance, risk matrix and more.



Site Diary

Overall understanding of daily activities at site

Replace your site paper journals and reports faster with pre-filled form about info of the task. View, monitor, measure resources and report daily progress activities on site. Activity reports along with weather condition are validated and approved by consultants at the end of each day. Site assignation is supported.



Issues Management

Identify, manage and resolve project issues

Deal with unexpected problems that crop up quickly and effectively before it becomes a potential threat that can impede schedule and project objectives. Identify, analyze, respond and monitor the issues.



Action Management

Complete unscheduled task

Whether it's sending out an email, putting together a presentation, or working on a special request, action management helps to manage unscheduled task with insufficient scheduling information as part of our day-to-day responsibilities. Put a plan into action and see it through.



Incident Management

Respond, identify root cause and report

Instant reporting to unforeseen incidents that could lead to loss, or disruption to a project operation and enabling authorities to respond, manage and resolve issues for operations to once again resume. With real – time reporting and update, rapid the implementation of arrangements for collaboration, coordination and communication.



Change Management

Overall management of change in a project

A systematic approach to managing organizational and project goals or processes transitions or transformations. Review and Approval process of a change request with respect to impact and risk to the entire project with respect of time, cost, quality and resources.



Business Intelligence Dashboard

Intelligent reporting from multiple sources

Tell the stories with data in the intuitive way without tales. Discover the power of extracting and analyzing data from the various applications in the HUMWORKS Application Suite, monitoring of the project outcomes in real – time enables quick responses that impedes project progress.

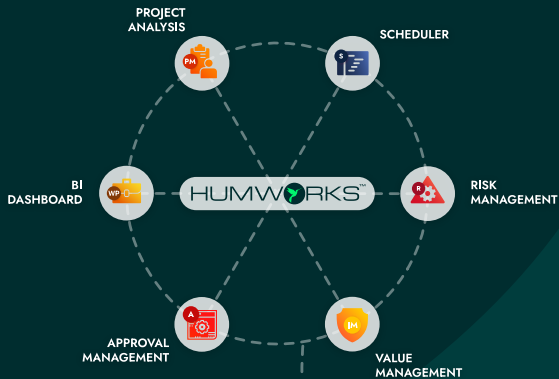
INTEGRATED SOLUTION

A universal project management solution across industry verticals

From top management, project managers, planners, risk managers, safety managers, sub-contractors and people across your organization know their role well, yet work in disintegration...

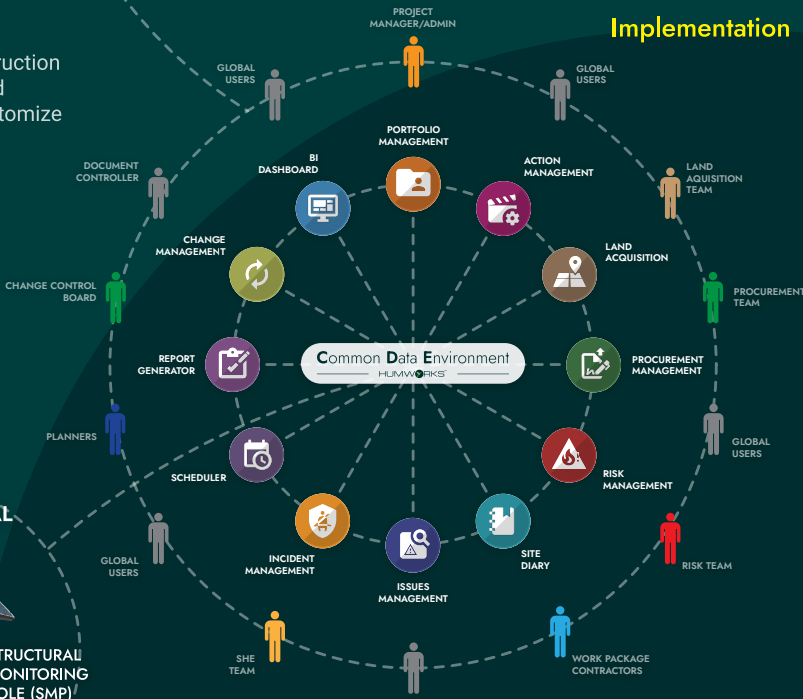
That's where **HUMWORKS** comes in.

Pre-Implementation

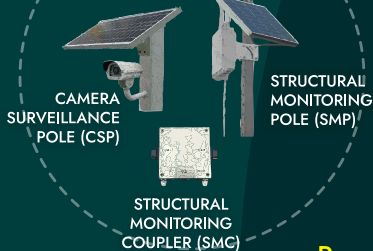


Resources in the construction ecosystem is integrated seamlessly. Simply customize HUMWORKS with your existing process and watch the performance, productivity and profitability rise.

Implementation



IoT CIVIL & STRUCTURAL MONITORING



Remote Sensing



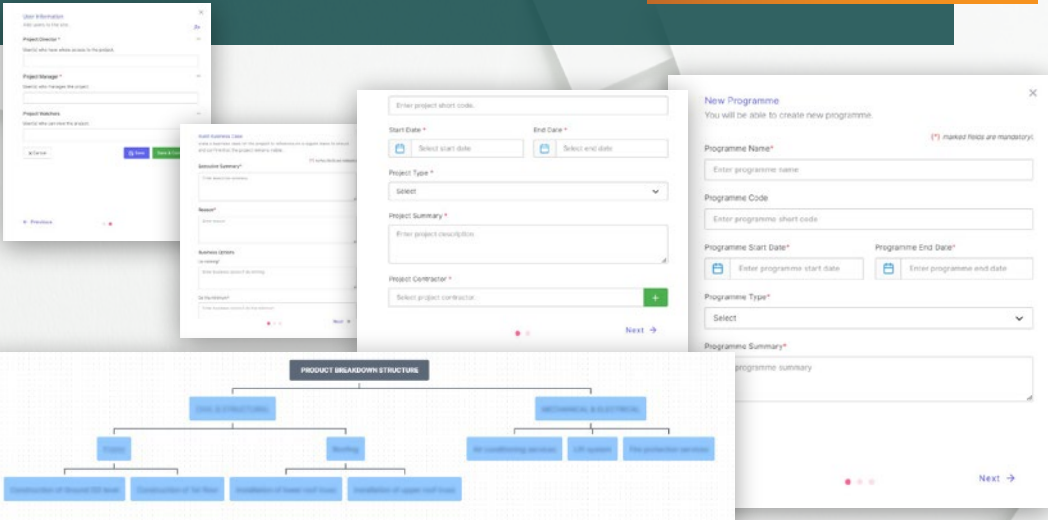
PORTFOLIO MANAGEMENT

Effective and Efficient Portfolio Management

HUMWORKS PORTFOLIO MANAGEMENT is the initial application that comprises information on programmes and projects that are grouped together. It includes project management processes, project management team structure, roles and responsibilities, and recording of project output, outcome and benefits.

Configure numerous programmes and its associated project along with user roles and permissions and assign users accordingly. This application help facilitates effective management so that strategic business objectives are fulfilled.

Help users to manage projects in a more effective and efficient way. Entire details of a programme or project will be provided makes it easier for users to understand the objectives and prioritize tasks according to those specific program or project needs.



View Status

Search, filter and view status of a Programme or Project according to client's specific needs easily.

Create Programme

Programme creation is the initial process in the application where details and information related is captured.

Add Custom Field

Add custom fields to showcase more details and customize it according to the programmes' needs.

Create Project

A programme may have many projects involved. Client can easily manage all projects involved in the programme by using this feature.

Assign User

Assign user involved in a project to give user access to perform their task. User can perform activities and update their task directly into the application.

Create Business Case

Business case for a project is important to evaluate benefits, cost, and risk.

Manage Project Team

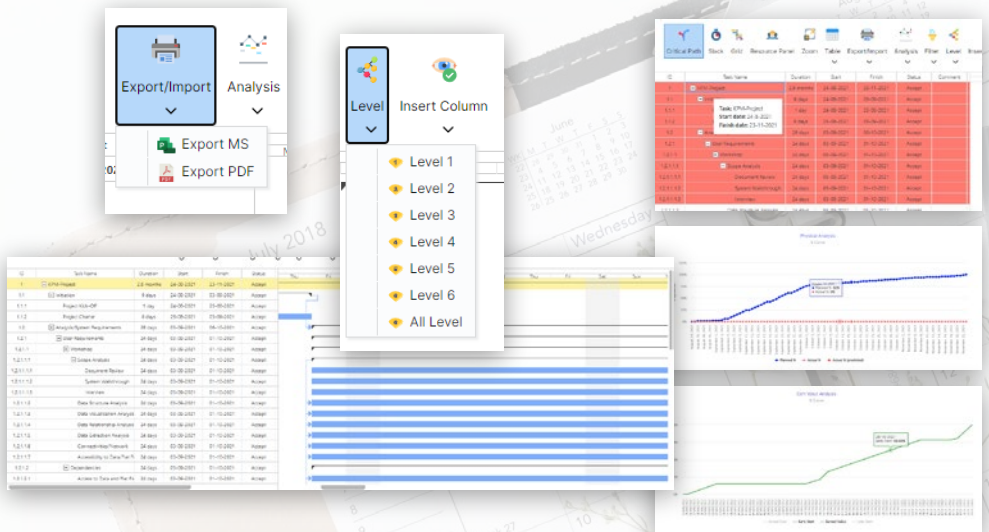
A project must have a Project Team that makes every part of the project run more efficiently. Create project team structure and get to know members of the project team to encourage higher success rate the project.

Create Product Breakdown Structure

Product Breakdown Structure shows hierarchical breakdown of a project. It helps to provide a clear understanding about the products and its components.

Export

Obtain output from the application in PDF or PNG format.



Manage Project Planning

Effectively plan projects by separating added tasks as main tasks or subtasks accordingly by using indent and outdent feature. Each progress can be updated after validating and submitting the project schedule.

Manage Task and Resources

Add and edit new task into the scheduler to manage task. Identify the resources and manage the resources according to the added task.

Import and Export the Project Documents

The project files can be imported from primavera and Microsoft project. All the documents can be exported from the application.

Manage the Baseline of the Project

The project baseline is created to manage each task. Any task that got delayed; the baseline can be adjusted to create a new baseline that caters with the actual timeline of the project.

Manage the Schedule Analysis

S-curve analysis is generated by two types of categories which are physical analysis and earn-valued analysis. Slack analysis is produced to allow flexibility of task if any delay happen within the project planning.

Manage Report of IPA and IPC

Easily keep track of payment with payment application and payment certificate.

Filter by Needs

The task can be viewed according to the user's needs. The column appearing on the scheduler can be seen according to needs.



SCHEDULER

HUMWORKS Scheduler Application is an application which allows users to plan the project and manage the work accordingly. The application has the ability to plan and manage project milestones and activities of any size. It is employed by different type of users with varying level of access and provide powerful project management capabilities for planning, prioritizing, and managing projects and costs.

The scheduler carries out the analysis of planning by creating the critical path analysis and costing allocation analysis to avoid any project delays. The task's progress can be updated, and a performance index generated.

Why use HUMWORKS Scheduler?

The project progress is tracked with the help of the scheduler, it prevents project overruns. It also enables the prioritizing of crucial activities without impeding the project's development.



RISK MANAGEMENT

HUMWORKS Risk Management helps enterprises and improves the ability of project success by identifying, analyzing, assessing, controlling, and monitoring uncertainty in a project such as financial uncertainties, legal liabilities, technology issues, strategic management errors, accidents, and natural disasters.

By using qualitative and quantitative risk management analysis, user can track risk across various projects by identifying, analyzing, mitigating, and controlling significant risk that have potential to negatively impact projects. This application inclusive of risk performance, risk matrix and many more.

Minimalize Risk Impact with Risk Management

Manage risk of a project by finding the root cause, manage risk consequences, measure mitigation and assign risk owner. Risk impact can be minimalized by doing constant risk controls and reviews.

Manage Risk

Manage risk of a project by adding risk, give risk details and edit risk. Risk management helps to detect issues that may occur in the future and avoid project failure.

Risk Approval

Risks that were created will go through levels of approval to ensure the risk is relevant. Level of approval is flexible and can be altered accordingly.

Manage Root Cause

Finding root cause is not an easy task. Record the root cause of a risk and do constant monitoring and review to provide solutions in fixing the root cause.

Manage Risk Consequences

Plan risk consequences once risk is identified. It can minimize damage by anticipating the consequences of risks.

Measure Mitigation

After identifying all possible risk, measure mitigation to prevent, reduce or control risks. Ensure unavoidable risks' impact are maintained within acceptable level.

Get Notification/Reminder

Get notification for risk status that is going through approval process. Also, get reminders if any deadline or risk review is due.

View Status

Risk status changes according to approval process. Providing risk status helps user to be more aware of the risk management process.

Assign Risk Owner

Assign risk owner that is responsible to manage the risks.

Unique Risk ID

Unique risk ID is auto generated for every risk that is created. This eases the tracking process for risks management.

Risk Matrix

Risk matrix is a simple mechanism to increase visibility of risks and assist management decision making.

Frequency Selection

Frequency of risk review can be selected according to criticality of the risks.

Control Status

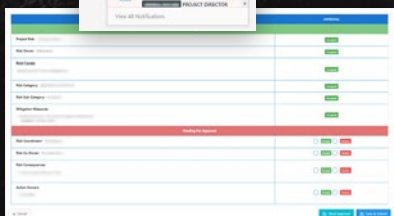
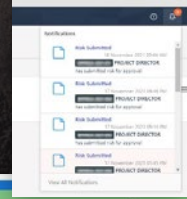
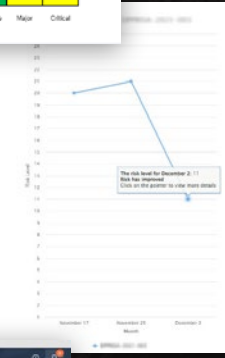
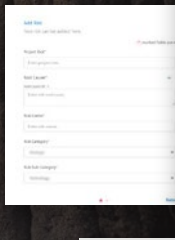
Improve risk controls by giving control status. If the status showing not satisfactory, measures can be taken to control the risks to become satisfactory.

Risk Summary

A detailed summary is given on the active risks as a clear overview of risk management for the project.

Risk Trend Map

Risk trend map shows the trend of risk that is being managed as an indicator for the risk management.



Overview of Site Diary

Get a dashboard like view with a Calendar, Status of Journals, Timeline and Recent Journal.

Add Daily Journal

Record location and every happenings at site such as activities, manpower, machinery/plant and material/equipment information together with environmental conditions. Edit and publish the journal end of the day for approval and reports.

Upload Images

Upload daily images to the journal for validation and approval process. Images uploaded are recorded for future reference. Easily supports multiple images uploading.

Signature

Draw or upload the signature to be used when recording, validating and approving work performed. Authorized verification is added for more security during validation and approval.

Copy Journal from Existing Journal on Previous Day

Easily copy and edit the journal if the activities performed similar as previous days.

Activity Log with GPS Location

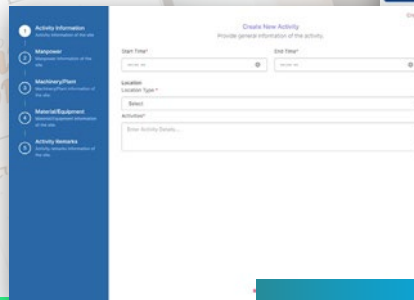
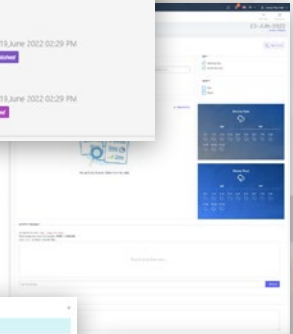
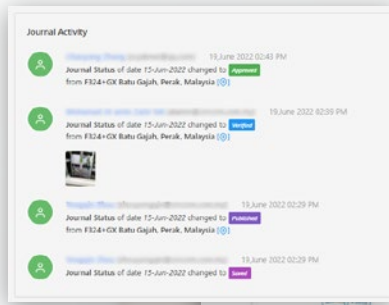
View what is happening on activity log together with geo-tagging to show where's the activity is performed.

Notification

Members in the team will get notified and stay updated with site journals.

Mobile Application

Experience faster access and quicker image upload into the Site Diary system with Site Diary mobile application. Supports both IOS and Android operating systems.



SITE DIARY

HUMWORKS Site Diary Application is used to monitor daily activities and progresses on site to ensure that any project hiccups or disputes can be easily traced back or to precisely show activities that happened on that particular day together with supporting evidence and sign-off.

Contractors on site can update, make changes, track daily construction activities and monitor site resources in real-time. In addition, site diary facilitates better communication between site contractors and top management that establishes a collaborative workplace.

Site Diary Makes Construction Site Reporting Easy & Simple

Replace site paper journals and report faster with pre-filled task forms. View, monitor, measure resources and report daily progress activities on site. Activity reports along with weather condition are validated and approved by consultants at the end of each day. Site assignment is also supported.

ISSUES MANAGEMENT

HUMWORKS Issues Management Application helps to deal with unexpected problems that crop up quickly and effectively before it becomes a potential threat that can impede schedule and project objective.

Identify, analyze, respond and monitor the issues which happens in the project. With this application, issues can be resolved in an effective and organized manner.

Advantages of Issues Management Application

Issues Management Application is safe and reliable for the team members to raise any issues. It is also a robust way of solving issues and documenting issues that occurs during a project. All issues are updated and recorded safely for future reference and developments.



Register and Assign Issue

Add, Edit or Delete the issues that has been added into application with easy steps that's full of information. Assign responsibilities to specific people for each issue.

Update Severity and Status of The Issue

Analyze and prioritize issues more easily. Select and update the severity time to time to show that issue is being analyze. Status can be updated also to give visibility to the team of recent updates.

Propose Resolution and Set a Deadline

Propose resolution for an issue together with deadline to avoid delay in the project schedule.

Approval Process

Make review and approval process faster between team members. Approve or decline line by line or by block together with comment.

Communication

Communicate between team members to solve an issue and improve team engagement. Upload files and share within team members.

Track the Issue

Issue can be tracked easily and view the recent activity about the issue to get informed.

DETAILS	APPROVAL
Issue Category:	Operations
Issue Sub-Category:	Human Resources
Issue Description:	Current processes have caused a confusion among employees
Project Impact:	Project delays as the processes are unclear
Remarks:	This is referring to operating processes
Level:	Level 2
Severity:	Medium
Resolving User:	1 project manager

Name	Status	Action	Severity	Assignee
Issue 1	Open	Assign	High	John Doe
Issue 2	In Progress	Assign	Medium	Jane Smith
Issue 3	Resolved	Assign	Low	Mike Johnson

Issue Category	Issue Sub-Category	Issue Description	Project Impact	Remarks	Level	Severity	Resolving User
Operations	Human Resources	Current processes have caused a confusion among employees	Project delays as the processes are unclear	This is referring to operating processes	Level 2	Medium	1 project manager

Issue Activity

30 JUN 2022

- John Doe commented: Current processes have caused a confusion among employees.
- Jane Smith updated status: In Progress.



INCIDENT MANAGEMENT

HUMWORKS Incident Management Application enables users to respond to incidents, identify the root cause of the incident, and report the incident. This application allows users to report unexpected incidents that could result in project damage or disruption immediately, allowing authorities to respond, manage, and resolve difficulties so that operations can restart.

Incident Management is an online platform in which the management will be notified immediately of an incident through its courtesy of fast notification. All it takes is a click of a button to view, validate and approve the report. As incidents need to be reported within 24 hours for normal to moderate cases and 12 hours for the severe cases, this application offers a huge advantage in term of reporting speed.

Why use HUMWORKS Incident Management

The use of incident management applications aids in improving an organization's productivity and efficiency. When an incident happens, it helps to get any organization's pace back on track as soon as possible. The application manages the organization's activities so they can run smoothly.



INSTANT NOTIFICATION & MANAGEMENT

When AN INCIDENT occurs

Manage Incident

Add and record incident that happens on site more quicker including weather information, classification of incident, and upload images as well to substantiate the incident. To generate the incident notification, initial incident report, final incident report, incident alert.

Manage details of injured person

Add details of injured person and the sustained injury, determine the severity of injury with evidence upload.

Manage the chronology of incident

Add the chronology and details of the incident to produce immediate corrective action which helps to prevent the incident to re-occur.

Manage root cause analysis

Perform analysis by add the root cause how and why, immediate cause, recommendations, and person in charge.

Validate and accept the incident

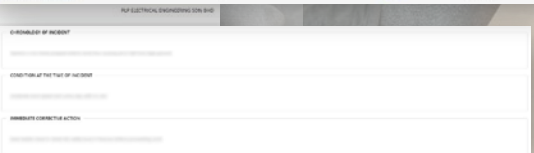
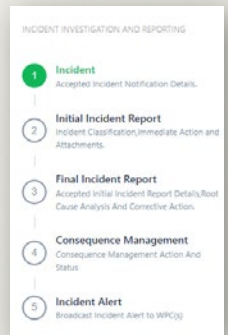
Review and endorse the reported incident and approving the incident to start the investigation.

Generate Notification and Reports

generate the incident notification, initial incident report, final incident report, incident alert.

Manage consequence

Add details of responsible offender, issue cards and penalize the offender to assure the safety at construction site.



GDOR

INCIDENTS

Incident No/Type	Incident Date	Incident Time	Modified Date	Location
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX-XX-XXXX	XX:XX:XX	XXXX-XX-XXXX	XXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX-XX-XXXX	XX:XX:XX	XXXX-XX-XXXX	XXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX-XX-XXXX	XX:XX:XX	XXXX-XX-XXXX	XXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX-XX-XXXX	XX:XX:XX	XXXX-XX-XXXX	XXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX-XX-XXXX	XX:XX:XX	XXXX-XX-XXXX	XXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXX-XX-XXXX	XX:XX:XX	XXXX-XX-XXXX	XXXXXXXXXX

OFFENSES

ID	NAME	IC/FP NO.	AGE
1	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX	31

Showing 1 results

Manage Actions

Add, edit or delete an action, assign users to the task or action.

Manage Status

Great way to keep track of a task or action progress. Get everyone updated by managing the status of action whether it is in progress, completed and so forth.

Activity Log

Track the activity of the task or action assigned within the team.

Calendar View

Select any date in calendar to filter and view the actions.

Deadline Extension

Request for date extension in faster way and get an extra time duration to finish assigned tasks.

Communicate Within Team

Comment or Upload / Download files and minimize the waiting times.

Notifications

Get notified with every action relating to each and every task assigned, from start, delays and completion of tasks.

Action Information
Please insert the required information to insert an action. Upon saving, the assigned user will be notified.

Description (500 Characters) *

Status *

Backlog

Start Date *

28/11/2021

Assigned User *

project manager

Activity Log

- 04/12/2021, 13:44: project manager has started progress of the action
- 04/12/2021, 13:43: project director has updated date of the action
- 04/12/2021, 13:43: project manager has left a progress update
- 04/12/2021, 13:43: Manager has started progress of the action

Request Clarification/Extension

General | Uploads | Activity

Description:

Please conduct investigation on the project delays

Assigned User: project manager

Start Date: 03/10/2021

End Date: 14/10/2022

Status: Backlog

ID	Description	Assigned User	Start Date	End Date	Status
Action ID - 1	Please conduct a meeting with stakeholders.	PROJECT MANAGER	03/10/2021	20/10/2021	Backlog
Action ID - 2	Please conduct a meeting with employees.	PROJECT MANAGER	03/10/2021	04/10/2021	Active
Action ID - 3	Please work on the pending issues to Issue Management app.	PROJECT MANAGER	03/10/2021	20/10/2021	Backlog
Action ID - 4	Please conduct SOPs on Covid 19	PROJECT MANAGER	03/10/2021	20/10/2021	Completed
Action ID - 5	Please conduct investigation on the project delays	PROJECT MANAGER	03/10/2021	04/10/2021	Active
Action ID - 6	Please bonus to employees	PROJECT MANAGER	03/10/2021	10/10/2021	Active



ACTION MANAGEMENT

HUMWORKS Action Management Application improves day to day operation management, efficiency and productivity of the project. It helps to manage unscheduled task with insufficient scheduling information as part of day-to-day responsibilities.

Whether it's sending out an email, putting together a presentation, or working on a special request, put a plan into action and see it through. Manage Adhoc project operational actions that managers and team member needs to do to drive better performance. Build a timeline for the task or action items, determine what to do and track the progress

WHY ACTION MANAGEMENT APPLICATION?

Motivate team members to be more productive together while seamlessly manage a project by keeping everything on track and organized in order.



CHANGE REQUEST MANAGEMENT

HUMWORKS CHANGE MANAGEMENT is an overall process to manage any type of changes in a project. Changes are meant to be managed in a controlled environment and HUMWORKS will ease it for you. Reviewal and approval process of a change request can be carried out and HUMWORKS also caters the calculation of the impact and risk to the entire project.

Since change is inevitable in any project, HUMWORKS Change Management provides a systematic method, which ensures that the change affecting projects is managed in an appropriate manner.

Capture Changes with Change Management

Capture simple or complex changes that may give impact to the implementation of existing projects. User may also get digital signature of Change Requester to ensure transparency in documenting the changes. Changes are bound to happen in any projects and Change Management Application is the way out to document the changes in an effectual way.

Manage Change Request

Clearly define changes and updates needed in a project. Information must be captured for each change request for review and approval of the requested changes.

Digital Signature

Captures change requester's digital signature to ensure accountability towards change request.

Get Notification

Notify Change Request Manager of the change request submission to make them aware of the requests.

Approval Process

Validate change request by approving or rejecting the request. View all information and reference attached on the request form through the application and reduce hassle of going through bunch of papers.

Change Type

Provide three types of change request which are Enhancement, Defect and New Requirement. Classify change request according to types and ease the approval process.

Change Priority

Determine change priority upon submitting change request. Change Request Manager will be more mindful of the request during change request review and approval.

Data Transparency

Reported data is accurate and coming from official source. Easily access reported data and guarantee data is trusted.

Change Request Status

Assists Change Request Manager in monitoring change request status and sort out requests that is pending. View other status including Accepted and Declined.

Timeline

Come up with a date to complete changes and keep track of the date changes was requested.

Change Request Form

Type of CR: Enhancement

Project: Application Development

Requester Name: Example, Konavathil Akshay

Employee ID: Example, H001234

Unit/Dept/Div: Example, HR/Personnel Department

Description of Request:

Type of CR:

Enhancement

Q

Enhancement

Defect

New Requirement

Change Request Submission
Project Manager has 03 October 2021 02:47 PM submitted an Change Request Form

Change Request Table

ID#	Type of CR	Project	Requester Name	Status	Sub Request	Action
1	Enhancement	Application Development	Example, Konavathil Akshay	Pending	Sub Request	
2	Enhancement	Application Development	Example, Konavathil Akshay	Approved	Sub Request	
3	Enhancement	Application Development	Example, Konavathil Akshay	Declined	Sub Request	

Showing 3 of 3 entries

Overview of HUMWORKS Application

View all the data captured from HUMWORKS Application. Monitor and analyze project progress, financial, resources and many more.

Search and Filter

Search and filter the dashboard according to the needs for more precise information.

Information in form Geographical Information System (GIS)

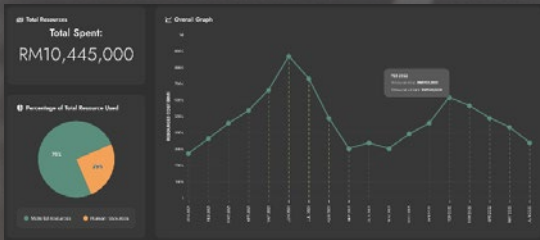
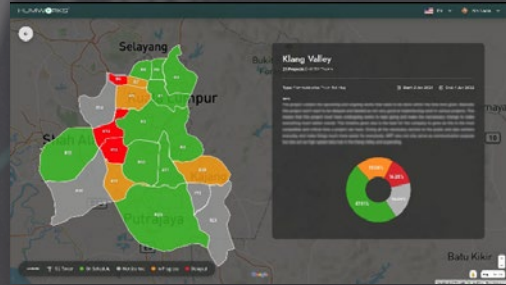
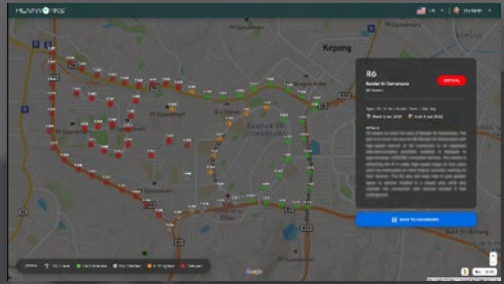
Better monitoring with GIS view of projects and sites together with their status. Get to know which project is Critical, Behind Schedule, On Schedule, Completed and so forth.

Generate S-Curve

Watch the auto generated S-Curve of project, financials and so on for immediate action to avoid delay.

Generate Reports

Generate reports for reference, documentation or any other purpose whenever required with fingertips.



HUMWORKS™

BUSINESS INTELLIGENCE DASHBOARD

HUMWORKS Business Intelligence Dashboard conveys the stories with data in the intuitive way without tales. Discover the power of extracting and analyzing data from various application in the HUMWORKS Application Suite.

Closely watch projects in bird's-eye view by monitoring the project outcomes in real-time and enables quick responses that impedes project progress.

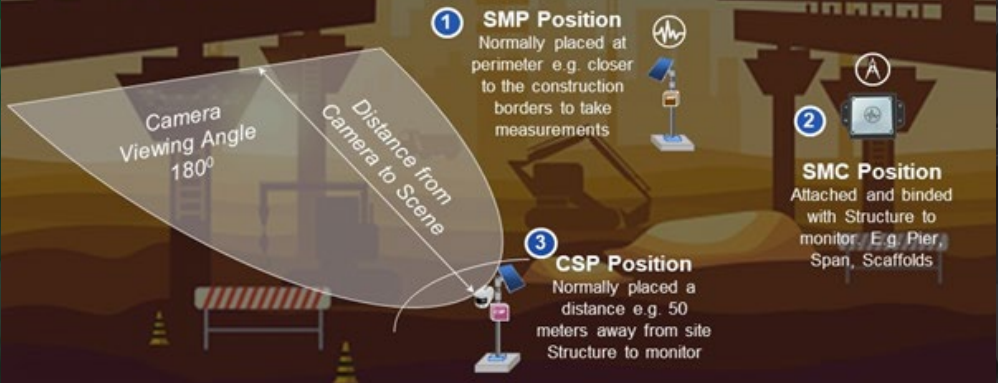
Business Intelligence Dashboard

Empower top management for better decision-making process by providing critical reporting and metrics information in dynamic and interactive way.

MID & POST CONSTRUCTION ENVIRONMENTAL MONITORING

Surveillance, Failure Preventions, Discords Mitigations with IoT Solutions.

IoT Solutions the CSP, SMP and SMC



IoT SOLUTIONS FOR CONSTRUCTION SITES & STRUCTURAL MONITORING

- Seismic & Environmental Monitoring Pole (SMP)
- Structural Monitoring Coupler (SMC)
- Camera Surveillance Pole (CSP)

Prediction & Preventions with

- **24/7 Monitoring**

Don't miss anything. Minor breach alerts & historical data collection.

- **Data-driven Analytics**

Data Trends, accumulated statistics and insights.

- **Predictive Mitigation**

*Maintenance and actions as needed. Prevent the 'Breaking Point' **before it happens.***

- **ESG Reporting: Environmental Key Matrix**

Responsible measured outcome. Justified performance.

- **Damage Prevention**

Prevention is better than cure.

- **Cost Savings**

Predictive maintenance. Reduce Wastage & Leakages.

- **Public Safety**

Protecting lives and human health.

- **Litigation Evidence or Prevent Cease Work**

Winning defense of any legal or court orders with data proofs.



SEISMIC MONITORING POLE (SMP)



Measures and reports excessive seismic activities, dust level and noise level. Includes real in weather information and predicament.

Construction Site
Boundary Pollution
Control

Urban Area
Construction
Pollution Control

Slop Monitoring
Landslide
Prediction

The Digital Era of Environmental Monitoring



24/ Online

Permanent Site
Monitoring Pole



Intuitive Real-Time

Dashboard &
Historical Analysis



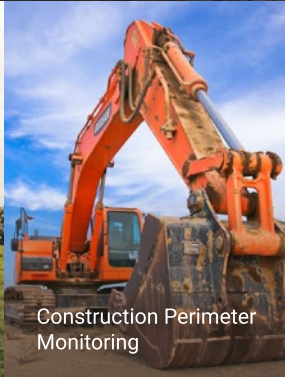
Real-Time

Discord Alerts &
Notification

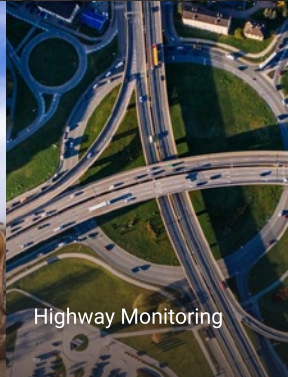
Early Warning Systems



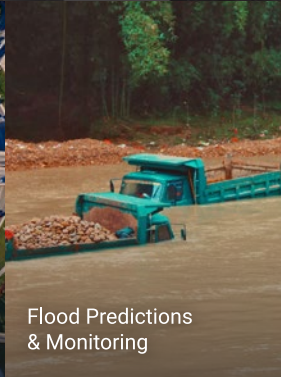
Hill Slope Monitoring



Construction Perimeter
Monitoring



Highway Monitoring



Flood Predictions
& Monitoring

STRUCTURAL MONITORING COUPLER (SMC)



Seismic Activity Data Provisioning

Measures vibrations in the parameters of magnitude, duration and counting the activity.



Predictive Maintenance

Provides real-time and historical data analytics to assess the over-boundary impacts by quantity over time



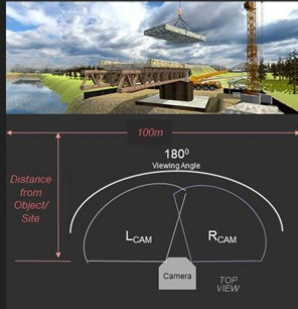
- **Hill Slope & Structure Monitoring Coupler**
 - Slope or structural integrity and insights that matters includes What, Which, When, Where and How it happens.
- **Continuous Structural Monitoring**
 - Provides minor or major status changes that helps inform and predict a potential failure and mitigation to sustain along the hundred years.
- **Mid Construction Structural Analytics**
 - Monitor and predict the response of structures during construction.
- **In Operations Structural Analytics**
 - Monitor and predict the response of structures after constructed and in use.

CAMERA SURVEILLANCE POLE (CSP)

Construction Site Imaging Surveillance
& Recording Solution

Construction Perimeter Surveillance DVR

180° Ultra Wide Angle. *SEE MORE*



Construction Perimeter Surveillance DVR

Synchronized Incident & Video Footage

Construction Perimeter Surveillance DVR

180° Ultra Wide Angle, Portable Set
Up



Camera

- 180° Ultra Wide Angle (auto stitch)
- 4K Image Resolution, 20FPS
- 256GB SD Card Local Storage
- F1.0 Super Low Light Aperture
- IP66, Waterproof for Outdoor
- Local Data Download: LAN Port
- *Optional: Remote Access, networked with Internet (Cellular 4G Router required)

Power

- Primary: Solar Power Charge 35W 12V
- Battery Bank: 12V LI-ION 20,000mAh

Assembly

- Controller Enclosure, Solar Panel, Brackets
- Mounted to a industrial grade steel pole with detachable base or wheelbase with stopper
- Portable for Location Change



180° Viewing Angle Sample Image

With sound recording

180° Viewing Angle

Early Warning System

Hill Slope Monitoring

HUMWORKS™
INTERNET OF THINGS (IOT)

Tilting Measurement

Tilting in 0.5° steps caused by land movement, erosion over days, weeks or months.

1.2° Tilt on z-axis



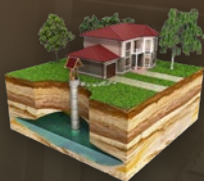
INSTANT NOTIFICATION DISPLACEMENT ALERT

Tilt detected: 1.2° off from past steady state position after non-movement for 225 days 21 hours 23 minutes

Original Slope

Compromised Slope

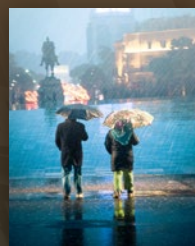
CAUSES OF HILL SLOPES



Underground Water Flow



Excessive Construction Vibration Activities



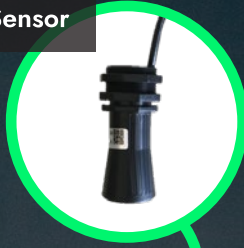
Prolonged Heavy Rainfall

Early Warning System

Flood Predictions & Monitoring

HUMWORKS™
INTERNET OF THINGS (IOT)

Ground Water Level Sensor





FLOOD IS BUILDING UP!
Incorporating high volume rain downpour intensity + Ground water level rising **RAPIDLY** in signifying a flood is coming

Rain building up into the Rain Gauge Sensor



Original water level

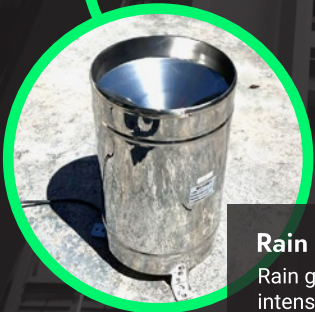
Water level rising

10mm rise over 9 minutes


Flood rampaging over 120 minutes

Catchment Water Overflow over 5 minutes

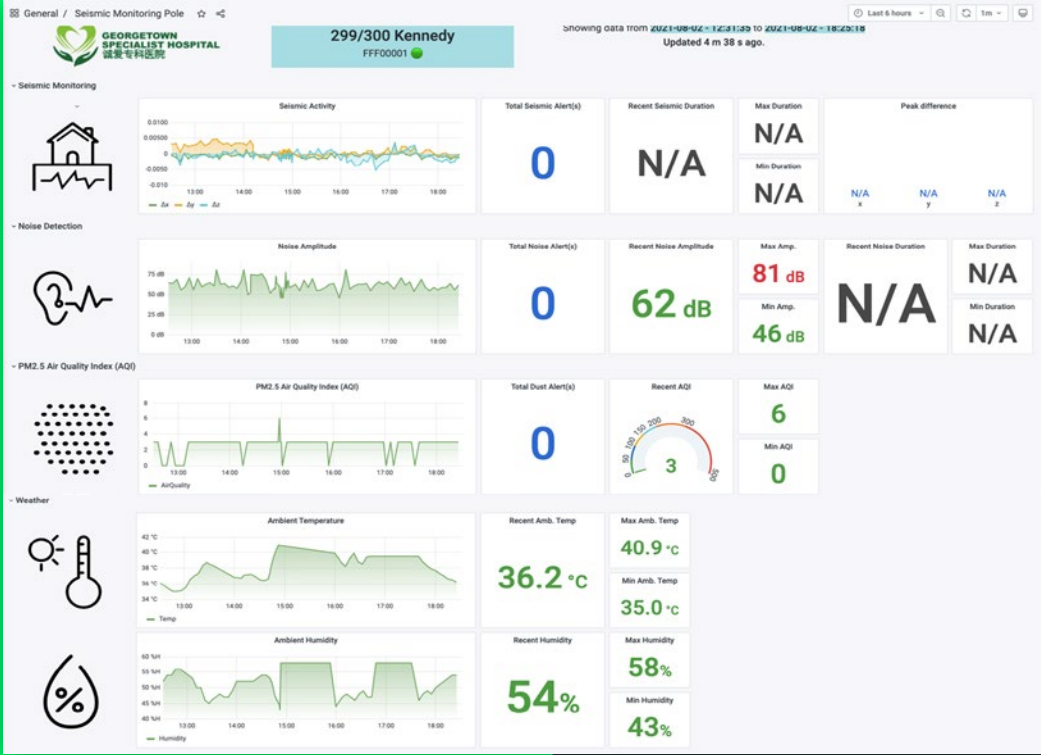
Designated Water Catchment Pond/Lakes



Rain Gauge Sensor
Rain gauge measure rain intensity vs time



IMMEDIATE ACTIONS POSSIBLE
→ Evacuate Area
→ Close Area Entrance



HUMWORKS™



THE DIGITAL ERA OF ENVIRONMENTAL MONITORING

24/7 Online
On-Demand Dashboard
& Historical Analysis

Real-time Discord & Notifications

97% Productivity Gains

Compared to a disintegrated environment

Unlock innovation by eliminating repetitive, time-consuming tasks and facilitate agile teams that can focus on value creation.

Real-time Dashboard for Instant Reporting

Digital project status communication to stakeholders

Real-time dashboards available anytime, anywhere providing precise information at a fingertip.

Quick and Accurate Report Preparation

Saves valuable time for other productive matters

Information gathered in the system could be extracted to any form of report within minutes instead of days.

3-10x Faster Time

To update progress

As users work on their respective applications, the back-end analytical engine captures, integrates, transforms and updates progress in real-time.



WHY
HUMWORKS™
IN A BOX
SOLUTION

90% Reduction

In critical incident management

Rapidly reduces the risk of costly downtime or revenue loss associated with late intervention when an incident occurs.

Less Than 8 Hours

To train users

With the shortest learning curve on the market, enterprises can benefit from automation and scale faster.

Reduce the Cost of Hiring

And up-skilling

What seems to be a daunting task that requires many resource to manage can now be managed with limited resources at ease.

Single Version of Truth

Keeping everyone on track

Transparent visibility among tiers for better understanding of unfolding activities daily.

A hand is shown from the bottom, holding a glowing, interconnected network of nodes and lines. The background is a gradient of green and blue, with a faint grid pattern. The text is overlaid on this background.

A UNIQUELY SIMPLE WAY TO **DIGITALIZE** ACROSS **COMPLEX** PROJECT MANAGEMENT **ENVIRONMENTS**

Construction projects consists of a lot of moving parts, labor, material and scheduling constraints. If we don't monitor and control all those related issues in time, then we are due to failure on the field.

HUMWORKS integrates your existing systems to form a unified workspace where project information, updates and progress are viewed in a single platform. Once integrated, HUMWORKS is simple to use, and it runs on a powerful technology stack that enables the platform to work seamlessly across your organization's application portfolio.

"A project is complete when it starts working for you, rather than you working for it."

- Scott Allen



**COMES WITH A RANGE OF FUNCTIONALITIES
TO FACILITATE RAPID ENTERPRISE GROWTH IN**

PERFORMANCE

Holistic Project Visibility

Visibility of the entire project performance, productivity, profitability and its associated key performance indicators in real-time.

Instant Audit Trail

Chronological electronic records that provide historical evidence and proof of compliance and operational integrity.

Root Cause Analysis

Identify issues that effect the strategic objective of a project and obtain a permanent solution to recurring problems.

PRODUCTIVITY

Project Cost Management

Track your project expenses in real-time and provide a quick and clear report on the project cost performance.

Alerts & Notifications

Never miss an issue, declining progress or an important update enabling everyone to stay on top of matters early as it occurs.

One-Click Reporting

Build hard-copy reports instantly without the hassle of compiling information from various sources manually.

PROFITABILITY

Governance & Security

No more confusion on team roles, responsibilities and impeding activities causing performance deterioration.

Team Collaboration

Enables working together as a team sharing ideas & skills for effective work completion to achieve a common goal.

Predictive Analytics

Stay competitive & reduce cost by softening risk & challenges that could compromise desired outcome of projects.

CALENDAR 2022

January 2022

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 2022

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27	28					

March 2022

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April 2022

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May 2022

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28	29	30	31			

June 2022

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July 2022

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31						

August 2022

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September 2022

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17	18	19	20	21	22	23
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October 2022

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30	31					

November 2022

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December 2022

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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



“

With “HUMWORKS” you look good and sleep well instead of worrying about unknowns and fire-fighting all day

Get in touch with us today



HUMMINGSOFT™
Friendly Technology. Giant Solutions

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