

Software documentation

Brief documentation on software used in the Ghana Mine Repository Tracking and Control Room

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Introduction

A variety of softwares are used in the control room to aid in the smooth running of the facility. These software serve various functions and play various parts. Among the software applications used are:

- Clickup
- LiveAgent
- Baserow
- Canva
- Dolibarr
- BookStack
- Budibase
- Navicat
- Kobo Toolbox/collect
- Figma
- Trilium
- QGIS
- Metabase
- Proxmox
- Tx-140
- Ex-360
- LI 2404
- Leaflet
- Adobe Audition
- Windy
- Github Desktop
- Miro
- Traccar
- QR code

Clickup



Definition for clickup

ClickUp is a cloud-based project management tool that is designed to help teams collaborate, manage tasks, and track progress. It is an all-in-one productivity platform that offers a range of features and tools that can be customized to meet the needs of different teams and projects.

URL- www.clickup.com

ClickUp's main features include the following:

- Task management: ClickUp offers a centralized platform for task management, including task assignment to team members, deadline and priority setting, and progress monitoring.
- Time tracking: ClickUp enables users to track the amount of time they spend on tasks, which can assist teams in identifying areas where productivity can be improved.
- Collaboration: ClickUp provides a variety of collaboration features, such as comments, mentions, and file sharing, to help team members work more effectively together.
- ClickUp provides a variety of project management tools, such as calendars, to help users plan and schedule projects more efficiently.
- Reporting: ClickUp offers a variety of reporting options to help teams track progress and measure performance.

Teams in a range of industries, including software development, marketing, design, and project management, can use ClickUp. Everyone in the control room uses Clickup to manage their tasks and track their progress. Because it is an all-in-one productivity platform that can be modified to match our individual demands, its adjustable features and straightforward interface make it a

popular choice for us.

LiveAgent



LiveAgent is a customer support platform that provides businesses with a range of tools and features to manage their customer service and support operations. It is a cloud-based platform that allows businesses to communicate with their customers across multiple channels, including email, chat, phone, and social media.

URL- mincom.ladesk.com

Some of the key features of LiveAgent include:

- Multi-channel support: LiveAgent enables organizations to manage customer support requests from numerous channels in a single platform, including email, chat, phone, and social media.
- Ticket management: LiveAgent provides a ticketing system that allows businesses to track and manage customer support requests from start to finish.
- Knowledge base: LiveAgent offers a knowledge base feature that businesses can use to create a self-service portal where customers can find answers to frequently asked questions.
- Chat and messaging: LiveAgent provides live chat and messaging features that allow businesses to communicate with customers in real-time.
- Automation: LiveAgent provides automation features that allow businesses to automate routine customer support tasks, such as ticket assignment and response.
- Reporting and analytics: LiveAgent offers reporting and analytics features that allow businesses to track and measure their customer support performance.

Businesses of all sizes can use LiveAgent in a range of industries, including e-commerce, software development, and customer support. The call center team uses it to personalize customer interactions with an all-in-one help desk solution (through numerous channels such as emails, video call, live chat, phone call), streamline customer support operations, and improve customer satisfaction.

Baserow



Baserow

Baserow is an open-source online database and no-code

application builder that enables users to construct custom databases and web applications without requiring programming knowledge. Baserow provides an intuitive interface for creating and managing databases and data tables, as well as for establishing relationships between them.

URL-<http://baserow.asgmgh.com>

Baserow's drag-and-drop interface makes it simple for users to build new tables, add fields, and define relationships between tables. Users can also import data from CSV files, use APIs to connect to external data sources, and design custom forms and views for their data.

Some of the uses of Baserow include:

- Developing custom databases for the storage and management of business data such as customer information, product inventory, and sales data.
- Developing online applications such as employment boards, project management tools, and task trackers without requiring for programming experience.
- Creating custom web forms for collecting and storing data, such as contact forms, surveys, and feedback forms.
- Creating custom dashboards and reports to visualize and analyze data.

Overall, Baserow is an excellent tool for anyone who wants to create custom databases or web applications without writing code. In the control room, we utilize baserow to develop forms for collecting and storing data such as CVs, call logs, and so on.

Canva



Canva is a popular web-based

graphic design platform that allows users to create a variety of visual content, such as social media graphics, presentations, posters, and flyers. It has a user-friendly drag-and-drop interface, a large collection of templates, photos, and design elements, and a range of customization options that allow non-designers to quickly and easily create professional-looking designs.

URL-www.canva.com

Canva's uses include creating:

- Presentations: Canva offers a range of templates and design elements that make it easy to create visually appealing presentations.
- Social media graphics: Canva allows users to create custom graphics for social media platforms like Instagram, Facebook, Twitter, and LinkedIn.
- Posters and flyers: Canva has a library of templates and design elements that make it easy to create eye-catching posters and flyers.
- Business cards and letterheads: Canva offers templates for creating professional-looking business cards and letterheads.
- Infographics: Canva offers a range of tools and templates for creating data visualizations and infographics.

Canva is an effective design application that is utilized for a variety of design projects, making it an essential tool for us in the control room for designing flyers, creating presentation slides, and so on.

Dolibarr



Dolibarr is an open-source enterprise resource planning (ERP) and

customer relationship management (CRM) software designed for small and medium-sized businesses. It is a web-based application that offers a wide range of features for managing various aspects of a business, including sales, inventory, invoicing, project management, human resources, and more.

URL-erp.asgmgh.com

Some of the key features and uses of Dolibarr include:

- Sales management: Dolibarr enables businesses to manage their sales cycle, including the creation of quotes, orders, invoices, and payments. It also includes abilities for managing customer information and tracking sales performance.
- Inventory management: Dolibarr offers a variety of features for managing inventory, including tracking stock levels, managing suppliers, and generating purchase orders.
- Project management: Dolibarr provides tools for managing projects, including setting up tasks and milestones, assigning team members, and tracking project progress.
- Human resources: Dolibarr includes features for managing employee data, such as contracts, timesheets, and expenses.
- CRM: Dolibarr allows businesses to manage their customer relationships by tracking customer interactions and storing customer data.

Dolibarr is a comprehensive ERP and CRM solution that has assisted us in streamlining our processes, improving efficiency, and increasing production. Because it is open-source, it is also very adaptable and accessible to us. We use dolibarr for book keeping of activities in the control room. That is, it helps to keep records of services such as registration, reregistration, reconnection, rendered to clients and products purchased by clients such as AI camera, EMME trackers, sim cards, etc.

Budibase



Budibase is a low-code platform that enables users to create web applications without the need for extensive coding. It has an easy-to-use visual interface that allows you to easily create unique applications.

URL-<http://budibase.asgmgh.com>

Budibase is useful for a variety of purposes, including:

- **Rapid application development:** Budibase enables users to easily create web applications without writing a lot of code, making it perfect for businesses and individuals who need to develop applications quickly.
- **Custom business applications:** Budibase can be used to construct unique business applications that are suited to the specific needs of a company or organization. Inventory management systems, project management tools, and customer relationship management (CRM) software are examples of this.
- **Data visualization:** Budibase offers powerful data visualization tools for creating custom dashboards and reports. This makes it simple to analyze and visualize data in a meaningful and actionable manner.
- **Collaboration:** Budibase allows multiple users to collaborate on the development of an application, making it ideal for teams that need to work together on a project.

Budibase is a versatile platform that is used to create a wide range of web applications quickly and easily. Again, budibase allows us to create and use different databases and also to import database from a server. It is also used for previewing insights generated by the various data as a result of activities in the control room.

Navicat



Navicat is a database management application with a user-friendly interface for managing and modifying databases. It is available for Windows, macOS, and Linux and supports a variety of databases such as MySQL, PostgreSQL, Oracle, SQLite, and Microsoft SQL Server.

URL-www.navicat.com

Some of the uses of Navicat include:

- Database administration: Navicat provides a comprehensive set of tools for managing databases including database creation, user management, backup and restore, and data import/export.
- Query and data manipulation: Navicat provides a graphical user interface for writing and executing SQL queries. It also provides tools for data manipulation, such as data filtering and sorting, that make it easy to work with large datasets.
- Data modeling: Navicat provides a visual data modeling tool that allows users to create and modify database schema diagrams. This tool can be used to design and modify database structures and relationships.
- Data synchronization: Navicat provides a data synchronization tool that allows users to synchronize data between two different databases, making it easy to keep data up-to-date across multiple systems.

Navicat is a powerful database management application with numerous features for managing, querying, and altering databases. Because of its user-friendly interface, it is suitable for users with varied degrees of technical skill, making it a popular choice among developers, database administrators, and data analysts.

Kobo Toolbox/collect



Kobo Toolbox is a free and open-source data collection and analysis tool. It allows users to create custom surveys, questionnaires, and forms, and collect data offline or online using mobile devices or web browsers. The collected data can then be analyzed using various tools and exported in different formats, such as Excel or CSV.

Kobo Toolbox is widely used by humanitarian and development organizations to collect and manage data in the field, such as for conducting needs assessments, monitoring and evaluation, and research. It offers features such as skip logic, data validation, and multimedia uploads to enhance data collection and analysis.

Kobo Toolbox is hosted on the cloud and can be accessed via any device with an internet connection. It is designed to be user-friendly, with a simple interface and easy-to-use features, making it accessible to users with different levels of technical expertise.

URL-<http://xkf.asgmgh.com>

Some uses of kobo toolbox includes:

- Data visualization and analysis: Kobo Toolbox provides various tools to visualize and analyze data, such as charts, graphs, and maps. This can help users to understand the data more easily and identify patterns and trends.
- Monitoring and evaluation: Kobo Toolbox can be used to monitor and evaluate projects, such as tracking progress against targets, assessing impact, and identifying areas for improvement.
- Surveys and assessments: Kobo Toolbox can be used to create custom surveys and assessments to collect information on various topics, such as health, education, and livelihoods.

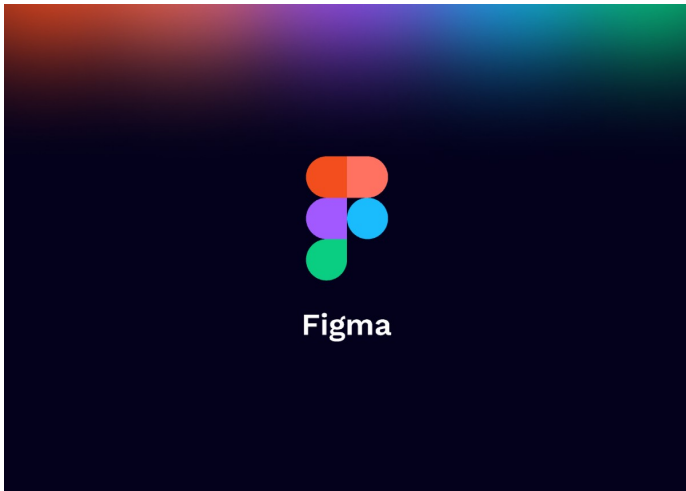
Kobo Collect

Kobo Collect is a mobile app that is used in conjunction with Kobo Toolbox for data collection. It allows users to collect data offline using their mobile devices, such as smartphones or tablets, and then upload the data to Kobo Toolbox when an internet connection is available.

Kobo Collect supports various data types, including text, numeric, GPS location, photos, audio, and barcode scans. It also has built-in features such as skip logic, data validation, and the ability to save partially completed surveys for later completion.

Kobo Collect is especially useful for data collection in areas with limited internet connectivity or where internet access is intermittent. It allows users to continue data collection even when they are offline and sync the data with Kobo Toolbox once an internet connection is established.

Figma



Figma is a web-based design and prototyping tool that allows users to create, collaborate, and share designs and prototypes in real-time. It is widely used by designers, product managers, and developers for its user-friendly interface, flexibility, and collaboration features.

URL- www.figma.com

Here are some of the key features of Figma:

- **Vector editing:** Figma provides a powerful vector editing tool that allows users to create and edit shapes, icons, and illustrations with precision and ease.
- **Design elements:** Figma provides a library of design elements, such as icons, buttons, and forms, that can be easily customized and used in designs.
- **Real-time collaboration:** Figma allows multiple users to work on the same design simultaneously, making it easy for teams to collaborate and iterate on designs in real-time.
- **Prototyping:** Figma allows users to create interactive prototypes of their designs, enabling them to test and validate their ideas before building the final product.
- **Version control:** Figma provides a version control system that allows users to track and manage changes to designs over time.
- **Design systems:** Figma supports the creation of design systems, which are collections of reusable design elements, styles, and guidelines. Design systems help teams maintain consistency and coherence across different products and projects.
- **Plugins:** Figma has a large library of plugins that allow users to extend the functionality of the tool and integrate with other design and development tools.

Figma is a versatile design tool that offers a wide range of features and capabilities.

Trilium



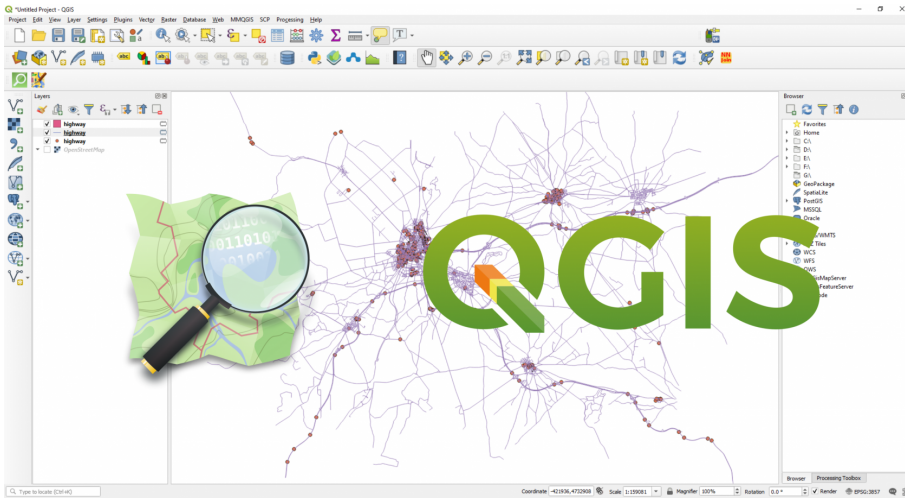
Trilium Notes is an open-source note-taking and personal knowledge management application that allows users to create, organize, and share notes and information. It is available for Windows, Mac, and Linux operating systems and can also be used in web browsers.

URL- <http://trilium.asgmgh.com>

Here are some of the key features of Trilium Notes:

- Hierarchical organization: Trilium allows users to organize their notes hierarchically, using tags and categories to create a structured and intuitive system.
- Rich text editing: Trilium provides a powerful rich text editor that allows users to format text, add images and tables, and embed links and other media.
- Cross-platform support: Trilium can be used on Windows, Mac, and Linux operating systems and can also be accessed via web browsers.
- Markdown support: Trilium supports the use of Markdown syntax for formatting notes and creating to-do lists.
- Collaboration: Trilium allows users to share notes and collaborate with others in real-time, making it a useful tool for teams and remote workers.
- Customizable interface: Trilium allows users to customize the interface and layout of the application to suit their preferences and workflow.
- Security and privacy: Trilium encrypts all data and provides password protection to ensure the security and privacy of user data.

QGIS



QGIS

QGIS (Quantum GIS) is a free and open-source Geographic Information System (GIS) software that allows users to visualize, analyze, and manage geospatial data. It is a cross-platform software that can run on Windows, macOS, Linux, and other operating systems.

QGIS provides a wide range of tools for handling and processing various types of geospatial data, such as vector, raster, and spatial databases. Users can use QGIS to perform spatial analysis, create maps, edit and manage geospatial data, and share their work with others.

Some common applications of QGIS include:

- Creating and editing maps: QGIS allows users to create custom maps using various types of data, such as satellite imagery, topographic maps, and demographic data.
- Spatial analysis: QGIS offers a range of tools for spatial analysis, including buffer analysis, spatial joins, and interpolation.
- Data management: QGIS allows users to manage and manipulate geospatial data from various sources, such as shapefiles, geodatabases, and CSV files.
- Geocoding: QGIS can be used for geocoding, which involves converting addresses or place names into geographic coordinates.

How QGIS is used in the control room:

Acquisition of coordinates to create a geo-fence and / or buffer zone.

QGIS can be used in conjunction with TX 140 software to monitor the location of earth moving vehicles and also visualize weather patterns.

Metabase



Metabase is an open-source business intelligence and analytics tool that allows users to easily create and share interactive dashboards, charts, and reports based on data from various sources such as databases, APIs, and spreadsheets. Metabase has a user-friendly interface and requires minimal technical expertise, making it accessible to both technical and non-technical users.

With Metabase, users can connect to their data sources and visualize data using a variety of chart types, including bar charts, line charts, pie charts, and more. Metabase also provides advanced features such as SQL-based filtering and querying, custom expressions and calculations, and data segmentation.

URL-<http://metabase.asgmgh.com>

- **Data analysis:** Metabase allows users to easily query and analyze data from various sources, such as databases, spreadsheets, and APIs, without requiring advanced technical expertise. This makes it a great tool for data analysts and business intelligence professionals who need to quickly analyze and visualize data to make informed decisions.
- **Reporting:** Metabase enables users to create and share interactive dashboards, charts, and reports that are easy to understand and visually appealing. This makes it an ideal tool for generating reports for stakeholders, executives, or clients.
- **Data visualization:** Metabase provides a range of visualization options that can help users easily identify patterns and trends in their data. This makes it a great tool for creating data-driven presentations or infographics.
- **Business monitoring:** Metabase can be used to monitor key performance indicators (KPIs) and track business metrics in real-time. This makes it a useful tool for business owners and managers who need to stay on top of their operations.

Tx-140

TX-140

TX-140 is a custom based map software which is used to track various earth moving and mining vehicles ranging from excavators to backhoe loaders. This software uses google maps as its main geographical platform due to its simplicity and free to use nature. It also incorporates several useful features such as the ability to monitor vehicle speed, set up geofences to trigger alerts when a vehicle enters or exits a certain area, and view historical data about vehicle movements.

Before these vehicles can be tracked with the software, the vehicles are equipped with trackers that transmit their location data to the software. Once the trackers are installed, the map software can be used to track the vehicles from the control room.

URL-<http://map.asgmgh.com>

How TX-140 is used in the control room:

Setting up geofences for earth moving vehicles to prevent these vehicles from moving beyond their concession boundaries.

With the TX-140 software the vehicle info can give us the working period of operators and also monitor the movement of and location of the vehicles.

Windy



Windy is a popular platform for weather forecasting and visualization. Millions of people around the world use it to gather accurate and up-to-date information on weather conditions such as temperature, wind, precipitation, pressure, and other meteorological parameters.

Windy uses a variety of data sources to provide accurate weather forecasts and visualizations. It combines data from a wide range of sources, including weather models, satellite imagery, radar data, and weather stations. The platform uses a variety of data visualization techniques, including maps, charts, and animations, to provide users with an easy-to-understand view of current and future weather conditions.

One of the unique features of Windy is its ability to visualize wind patterns and currents on a global scale. Users can see a live map of wind patterns around the world, which is useful for sailors, surfers, and other outdoor enthusiasts.

some of the uses of windy includes:

- **Weather forecasting:** Windy provides accurate weather forecasts and real-time weather information for any location worldwide. Windy is used in the control room to check the weather conditions of each concession before setting out the drones, this will help when the UAV is in full operations. Users can view temperature, precipitation, wind speed and direction, pressure, and other meteorological data.
- **Aviation:** Windy is also used by pilots for flight planning and weather forecasting. It provides real-time information on wind patterns, turbulence, and other weather conditions that can affect aircraft operations.
- **Emergency management:** Windy can be used by emergency management agencies to monitor severe weather events, such as hurricanes, tornadoes, and wildfires. The platform provides real-time information on wind speed and direction, precipitation, and other weather-related data, which can help emergency responders prepare for and respond to these events.

Windy is used in the control room to check the weather conditions of each concession before setting out the drones, this will help when the UAV is in full operations. And also to check the

network connectivity of the concession.

Miro



Miro is a digital whiteboarding and collaboration platform that allows individuals and teams to brainstorm, collaborate, and organize ideas visually. Miro provides a virtual canvas that allows users to create diagrams, flowcharts, mind maps, wireframes, and other visual representations of their ideas.

URL-www.miro.com

Some common uses of Miro include:

- **Brainstorming:** Miro provides a platform for individuals and teams to brainstorm ideas and organize them visually. Users can create mind maps, flowcharts, and diagrams that help them visualize their ideas and connections between them.
- **Design and prototyping:** Miro is used by designers and product managers to create wireframes, mockups, and prototypes. The platform provides a range of design tools and templates that can help users create visual representations of their ideas.
- **Remote collaboration:** Miro is ideal for remote teams that need to collaborate and work together on projects. The platform allows users to collaborate in real-time, share ideas, and provide feedback, regardless of their location.

Miro is a versatile platform that can be used by individuals and teams in a variety of industries and disciplines. It provides a range of tools and features that help users visualize and organize their ideas and collaborate more effectively.

Traccar



Traccar is an open-source GPS tracking platform that allows users to track the location of their vehicles, assets, or mobile devices. It supports a wide range of GPS tracking devices and protocols, and provides real-time location tracking, geofencing, and reporting features.

Traccar can be used for a variety of purposes, including fleet management, vehicle tracking, personal tracking, and asset tracking.

URL-<http://traccar.asgmggh.com>

Some of the main uses of Traccar are:

- Fleet management: Traccar can be used to monitor the location, speed, and other information of a fleet of vehicles in real-time, allowing fleet managers to optimize routes, monitor driver behavior, and improve overall efficiency.
- Vehicle tracking: Traccar can be used to track the location of individual vehicles, making it useful for vehicle recovery, stolen vehicle tracking, and monitoring the movements of company-owned vehicles.
- Personal tracking: Traccar can be used to track the location of individuals, such as employees or family members, who are carrying GPS-enabled devices.
- Asset tracking: Traccar can be used to track the location of assets, such as containers or equipment, making it useful for supply chain management, inventory control, and theft prevention.

Traccar is a powerful and versatile GPS monitoring platform that can be used for a variety of purposes. It is used in the control room to monitor our general activities and on field trips to monitor our movements and install trackers in the concessions we have visited.

QR Code Generator



A QR (Quick Response) code generator is a tool that allows users to create QR codes, which are two-dimensional barcodes that can be scanned using a smartphone or other mobile device. QR codes can contain various types of information, such as website URLs, contact information, text, and more.

There are many QR code generators available online that can be used for free. These generators typically allow users to input the type of information they want to encode, and then generate a unique QR code that can be saved and shared in various formats, such as a PNG or JPEG image.

QR code generator is used in the control room to generate our own qr codes for clients and users to easily gain access to information by simply scanning. We used the qr code generator to build our own code that contains the Ghana Mine Repository Tracking and Control Rooms website URL.

URL- qrcode.asgmgh.com

Github Desktop



GitHub is a web-based platform used for version control and collaborative software development. It allows users to store and manage their code repositories, collaborate with other developers, and contribute to open-source projects.

URL- www.github.com

Here are some common uses of GitHub:

- Version control: GitHub provides an easy-to-use interface for managing different versions of code, allowing developers to track changes, revert to earlier versions, and collaborate with other team members.
- Code sharing: GitHub allows developers to share their code with other developers around the world, making it easier to collaborate and contribute to open-source projects.
- Issue tracking: GitHub includes a built-in issue tracking system, which allows developers to report bugs, suggest enhancements, and discuss issues related to a particular project.
- Continuous Integration/Continuous Deployment (CI/CD): GitHub provides integration with popular CI/CD tools like Jenkins and Travis CI, making it easy to automate the software development process.
- Hosting static websites: GitHub allows users to host their static websites using GitHub Pages, a free service that provides hosting for static HTML, CSS, and JavaScript files.
- Community building: GitHub is a great platform for building communities around open-source projects, allowing developers to connect with each other, share ideas, and work together on new projects.

Proxmox



Proxmox is an open-source virtualization management solution that provides a web-based user interface for managing virtual machines, containers, and other resources. It is built on top of the Linux operating system and uses a combination of KVM (Kernel-based Virtual Machine) and LXC (Linux Containers) technologies.

URL- my.proxmox.com/en/login

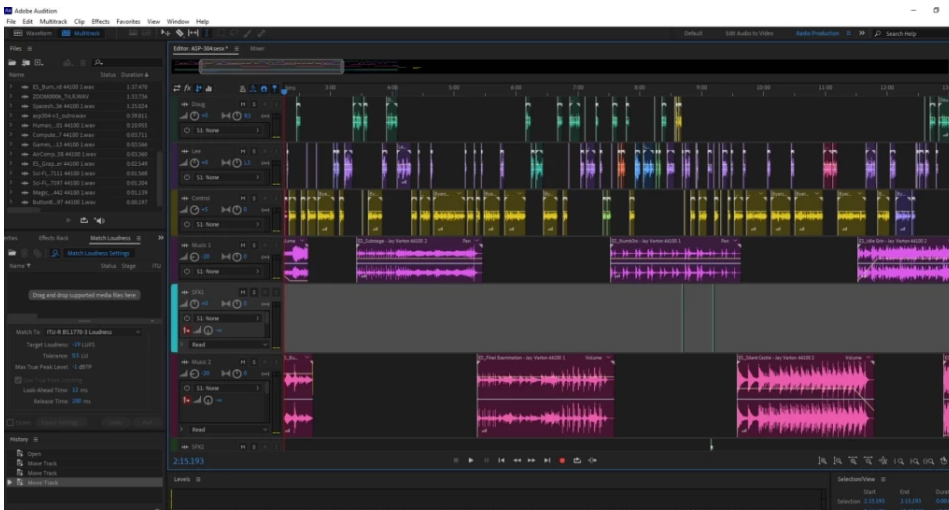
Here are some common uses of Proxmox:

- **Virtualization:** Proxmox allows users to create and manage virtual machines and containers, providing an efficient way to deploy and manage multiple applications on a single server.
- **Disaster recovery:** Proxmox includes backup and restore features, allowing users to create backups of their virtual machines and containers and restore them in the event of a disaster.
- **High availability:** Proxmox includes high availability features, allowing users to create a cluster of Proxmox servers that can automatically failover in the event of a server failure.
- **Resource management:** Proxmox allows users to allocate resources such as CPU, memory, and storage to virtual machines and containers, ensuring that they have the resources they need to operate efficiently.

- Network management: Proxmox provides a web-based interface for configuring network interfaces and creating virtual networks, making it easy to manage network resources.
- Monitoring and reporting: Proxmox includes a monitoring and reporting system that provides real-time information on the status of virtual machines, containers, and other resources.

Overall, Proxmox is a powerful virtualization management solution that provides a wide range of features for managing virtual machines and containers in a simple and efficient manner.

Adobe Audition



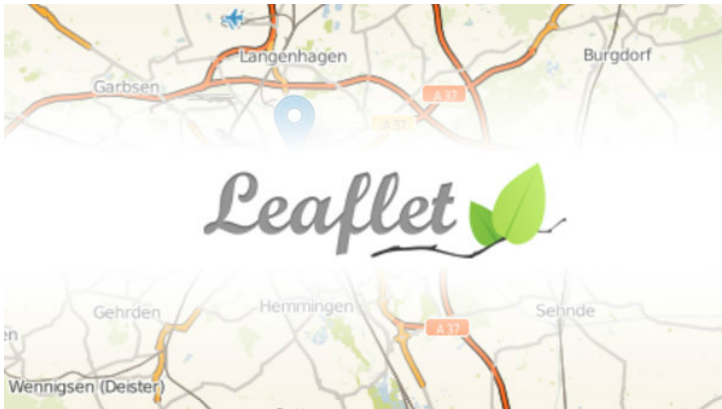
Adobe Audition is a digital audio workstation (DAW) software application that is primarily used for editing, mixing, and mastering audio files. It is a part of the Adobe Creative Cloud suite of applications and is widely used in the music, film, and television industries.

Some of the main uses of Adobe Audition include:

- **Editing:** Adobe Audition allows users to edit audio files with precision, including cutting, pasting, and deleting parts of the audio, adjusting volume levels, and removing unwanted noise.
- **Mixing:** The software allows users to mix multiple audio tracks together, adjust their volume levels, and apply effects such as reverb and delay to create a cohesive sound.
- **Restoration:** Adobe Audition includes tools for removing unwanted noise and other imperfections from audio recordings, such as clicks, pops, and hums.
- **Recording:** Users can also use Adobe Audition to record live audio, such as voiceovers or musical performances, directly into the software.

Adobe Audition is a versatile tool for anyone who works with audio files and needs to edit, mix, or master them to a professional standard. We used it in the control room to record the voice over for IVR for LiveAgent.

Leaflet



Leaflet is an open-source JavaScript library that is used to create interactive maps for the web. It provides a simple and lightweight framework for creating mobile-friendly maps and allows developers to easily add various features, such as markers, popups, layers, and zoom controls, to their maps.

Leaflet is designed to be easy to use and flexible, and it can be customized using a wide range of plugins and extensions. It also supports various map providers, such as OpenStreetMap, Mapbox, and Google Maps, and can be used with different data formats, such as GeoJSON and KML.

Leaflet is widely used by developers and designers to create interactive maps for a variety of applications, including:

- Location-based services: Leaflet can be used to create maps for location-based services, such as ride-sharing apps, restaurant finders, and delivery services.
- Environmental monitoring: Leaflet can be used to create maps for environmental monitoring, such as tracking air quality, water quality, and weather patterns.
- Tourism and travel: Leaflet can be used to create maps for tourism and travel, such as highlighting points of interest, displaying routes, and providing information on local attractions.
- Real estate: Leaflet can be used to create maps for real estate applications, such as showing property listings, providing neighborhood information, and displaying local amenities.

Leaflet is a powerful and flexible tool for creating interactive maps for the web, and it is widely used by developers and designers in various industries.

EX 360

EX 360 is a software used to track and monitor the movement of explosive trucks. the whole system is built to facilitate the process of some infrastructure which includes;

1. Five cameras

- Auxiliary Driver Assistance System (ADAS)- which is meant for the front of the car.
- Detective System Monitoring (DSM)- it is an infrared camera fixed on the dashboard.
- Blind Spot Detection (BSD)- which is on the right side of the truck and it comes with a buzzer.
- End and left cameras are all normal cameras.

2. Global System for Mobile Communication (GSM)- sim card

3. Satellite antennae for the tracking.

All these three hardware are integrated and registered into the EX 360 software to facilitate the monitoring and tracking process.

LI 2404/ Insight

This is an application built or developed in budibase for analyzing data (data previewing in a more logical manner).

Technicalities

Budibase software allows developers for data collection and also to import an existing database into the software.

With L1 2404 application (imported database is used) screens contains understandable data from the imported database. This screens display the collected data that has been saved on the database in a readable or user friendly manner.

L1 2404 Insight

Is an application that is developed in budibase. This application is a subdivision of the LI 2404 application. The LI 2404 insight dashboards containing data visualization of call logs, operators, technicians dealers, excavators, etc are embedded and displayed in the LI 2404 insight app in budibase. The app is updated every 30 minute. This insight app is kept updated because changes made reflects on budibase insight app.