MODULES
BY RADAR HEALTHCARE

Radar Healthcare:
Analytics

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Helping you to make a difference

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Radar Healthcare:
Analytics

Radar Healthcare is a compliance and quality software with different modules that ensure:

- Safety of patients and residents through compliance.
- Excellent care outcomes through quality assurance.

Radar Healthcare works on a modular basis, so you use for just one module plus the base software. For example, your site could have Events or Workforce Compliance only, depending on your specific needs, adding additional modules if needed. Of course, you can also opt for the full suite of modules for all compliance and quality activities. This removes the need for lots of different systems and ensures that all your compliance and quality information can be pulled into our Analytics module to create Dashboards for internal or external stakeholders (e.g., regulators and commissioners). Radar Healthcare is divided into the following elements:

- **Compliance Tools**
  (Workforce Compliance and Document Management)
- **Activity Tools**
  (Incident Management, or Events as it's known in the system, and Workflow Manager)
- **Quality Assurance Tools**
  (Audits, Scheduler and Action Planning)

Analytics is a unique tool within Radar Healthcare, as all other modules and functionalities feed into it. It allows you to triangulate your data across the different modules, giving you a holistic view of activity.

Data from elsewhere in the system is surfaced within Analytics, through Dashboards, which offer organisations an overview of a specific area to monitor and learn from. Radar Healthcare's Analytics uses innovations in Artificial Intelligence (AI) and machine learning to deliver business intelligence on your data, giving our customers real insights into what's going on at local, regional and organisational levels.

You can also bring in data from third-party systems to give a complete oversight when it comes to a data-driven approach to decision making.
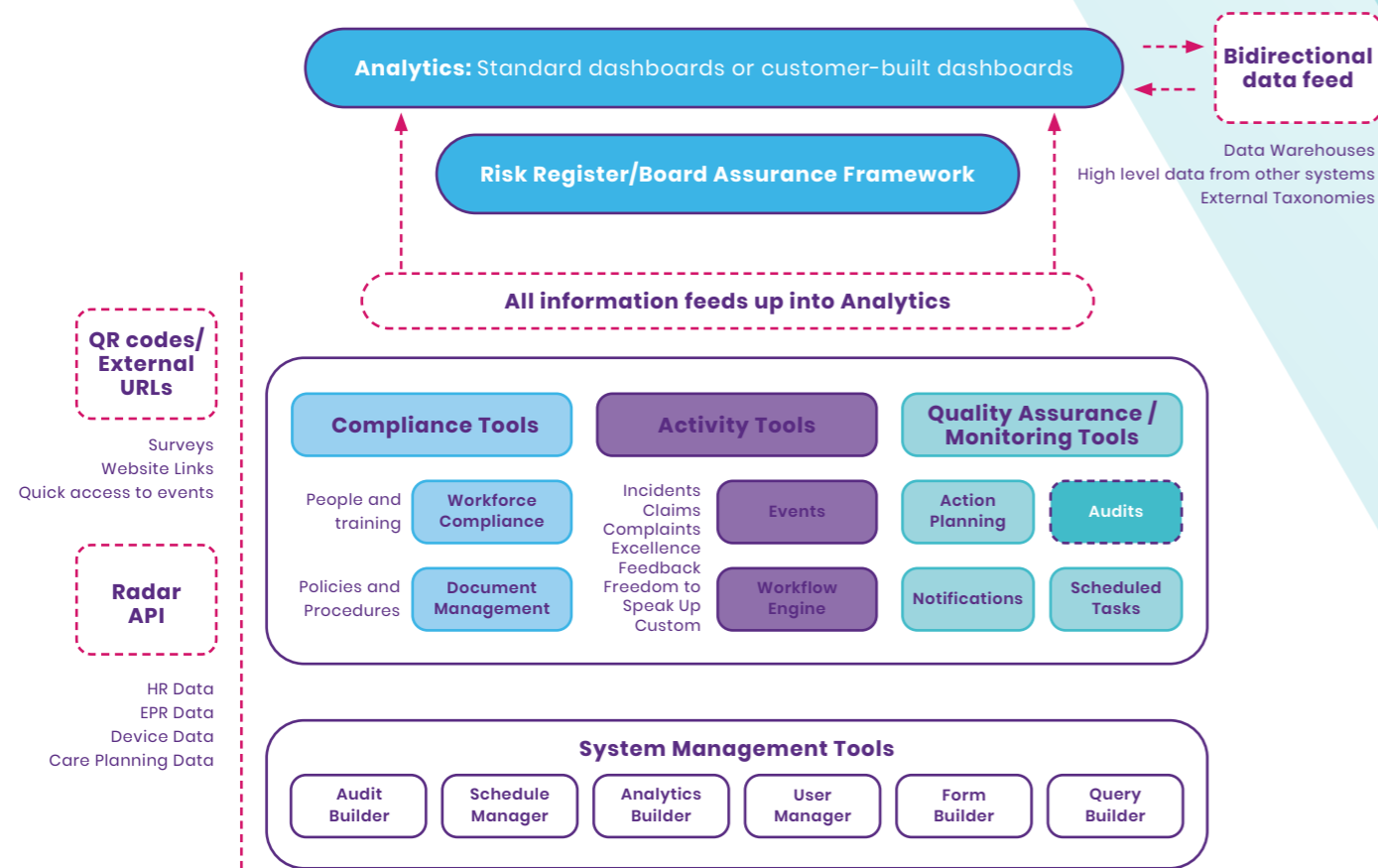
Radar Healthcare – System Overview

Analytics: Standard dashboards or customer-built dashboards

Bidirectional data feed

Data Warehouses
High level data from other systems
External Taxonomies

Risk Register/Board Assurance Framework

All information feeds up into Analytics

QR codes/ External URLs

Surveys
Website Links
Quick access to events

Radar API

HR Data
EPR Data
Device Data
Care Planning Data

Compliance Tools
- People and training — Workforce Compliance
- Policies and Procedures — Document Management

Activity Tools
- Incidents Claims Complaints Excellence Feedback Freedom to Speak Up Custom
- Events
- Workflow Engine

Quality Assurance / Monitoring Tools
- Action Planning
- Audits
- Notifications
- Scheduled Tasks

System Management Tools
- Audit Builder
- Schedule Manager
- Analytics Builder
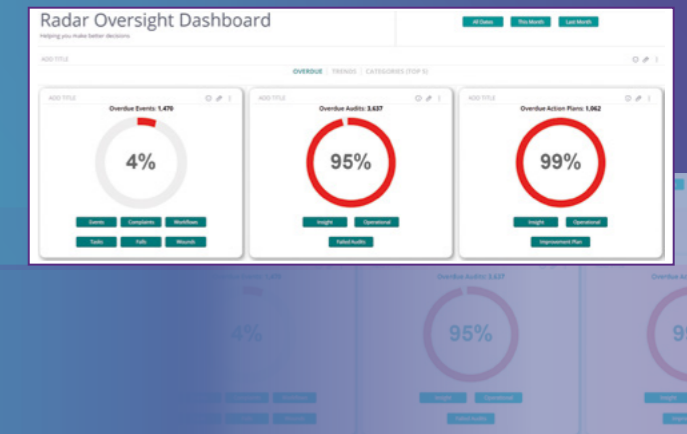- User Manager
- Form Builder
- Query Builder

We've invested heavily in our reporting features, pioneering the latest advancements in AI and machine learning to drive real insights from system data. This technology is valuable for healthcare providers with varying levels of technical expertise in-house, as it can make interpreting data insights that are critical for safety and quality improvement much more accessible. Our Analytics rests on an underlying goal of delivering intelligence, not just data, to your organisation.

Radar Healthcare Analytics updates overnight. which means you can access up to date data whenever you need to.

There are two types of Analytics within Radar Healthcare. These are:

1. **Standard Analytics;** these come with the Core Radar Healthcare system, and all customers have access to these. These Dashboards track commonly requested areas of the system, providing an overview of one area. For example, there's an Events dashboard. This tracks many metrics, including the total number of events, overdue events, days since last event, events by type (e.g. incidents, feedback, safety alerts and more), event occurrences by day of the week and time, etc. These Dashboards also automatically link in with our Toolkit Events, meaning that you can begin using Analytics very quickly.

2. **Custom Dashboards;** in addition to the standard dashboards, you have the option of your own Builder license. This allows customers to customise our standard Dashboards, build your own Dashboards, or allow our team to build Dashboards for you. The possibilities for what can be created in Radar Healthcare are endless, and many of our existing customers have produced incredibly innovative Dashboards specific to what they want to measure and how often. This allows them to prioritise their focus in the right areas.

Other Analytics features include:

- **Visualisations:** Radar Healthcare uses data visualisations, such as graphs and charts, to help make complex information more accessible and understandable. This can help support informed decision-making and improve the effectiveness of your governance arrangements.

- **Alerts:** using Pulse Alerts Radar Healthcare enable users to set up personalised alerts to monitor key information. For example, you may wish to be notified if the number of falls exceeds a given threshold, or you may want a daily update on the number of serious incidents.

- **Export:** Radar Healthcare reports can be exported in a variety of formats (PDF, images, CSV) which allows for more flexibility in sharing and analysing data. This can help ensure that reports are accessible to stakeholders in a format that is convenient for them.

- **Iterative:** Report building can be iterative and accessible to non-administrative staff, enabling more collaborative and agile reporting processes. This can help ensure that reports are relevant and accurate.

Analytics for the different stakeholders in your organisation

- For the **end user**, Analytics may not always be a priority, but the learnings that come from Analytics may be beneficial in the long term; for example, training can be provided to a location that has been identified as struggling with a certain type of incident. All data input by the end user feeds into Analytics, creating a cycle of improvement throughout the organisation.

- For the **functional manager**, Analytics provide a really clear overview of whats happening in your area, and allow you to see where gaps may occur. There's no need to request reports from your staff or wait till the end of the month, you just check your Dashboards for whatever you need, or set up a Pulse alert to automatically notify you when a KPI isn't being met. You'll have easy access to all of the functional and operational detail you need to manage, chase and investigate your learnings.

- For **clinical and medical directors**, the powerful design of Analytics Dashboards can make understanding and actioning complex data sets quicker, easy to navigate and completely custom for specific requirements and audiences. You can export data extremely easily, in a digestible, attractive format for high level board reports and meetings. You can also see metrics across different locations and see the trends and patterns relating to these areas.

- For the **system administrator**, Analytics reduces (if not removing) the need to manually pull reports together. Dashboards are simple and easy to build, share and grant cascading permissions to, giving you more time to focus on other areas of the system.

- For the **data analyst/technical expert**, Analytics come with a host of powerful features; the sky is the limit with the Dashboards you can create. You can create custom actionable analytic applications from complex data by leveraging powerful prebuilt templates to integrate application like functionality into Dashboards.

What our customers say about our Analytics module

"If we understand what's going on, we've got insight. If we've got insight, we can actually focus our improvement. And that's what we really want to use Radar Healthcare for."
Paul Cresswell, Director of Quality Governance, North Bristol NHS Trust.

"Radar Healthcare helps us to develop a culture of safety. It helps us in real time getting data so we can learn lessons in quick cycles and then develop a story of improvement and that's what we're looking forward to."
Sanjoy Shah, Deputy Chief Medical Officer, North Bristol NHS Trust

"The reason for partnering with Radar Healthcare from the outset is that bigger picture. Implementing Radar Healthcare will provide us with seamless insights to enhance learning across our organisation and support us to achieve the very highest standards of quality which we pride ourselves on delivering."
Antony Hall, Director of Insights, Assurance and Governance, HC-One
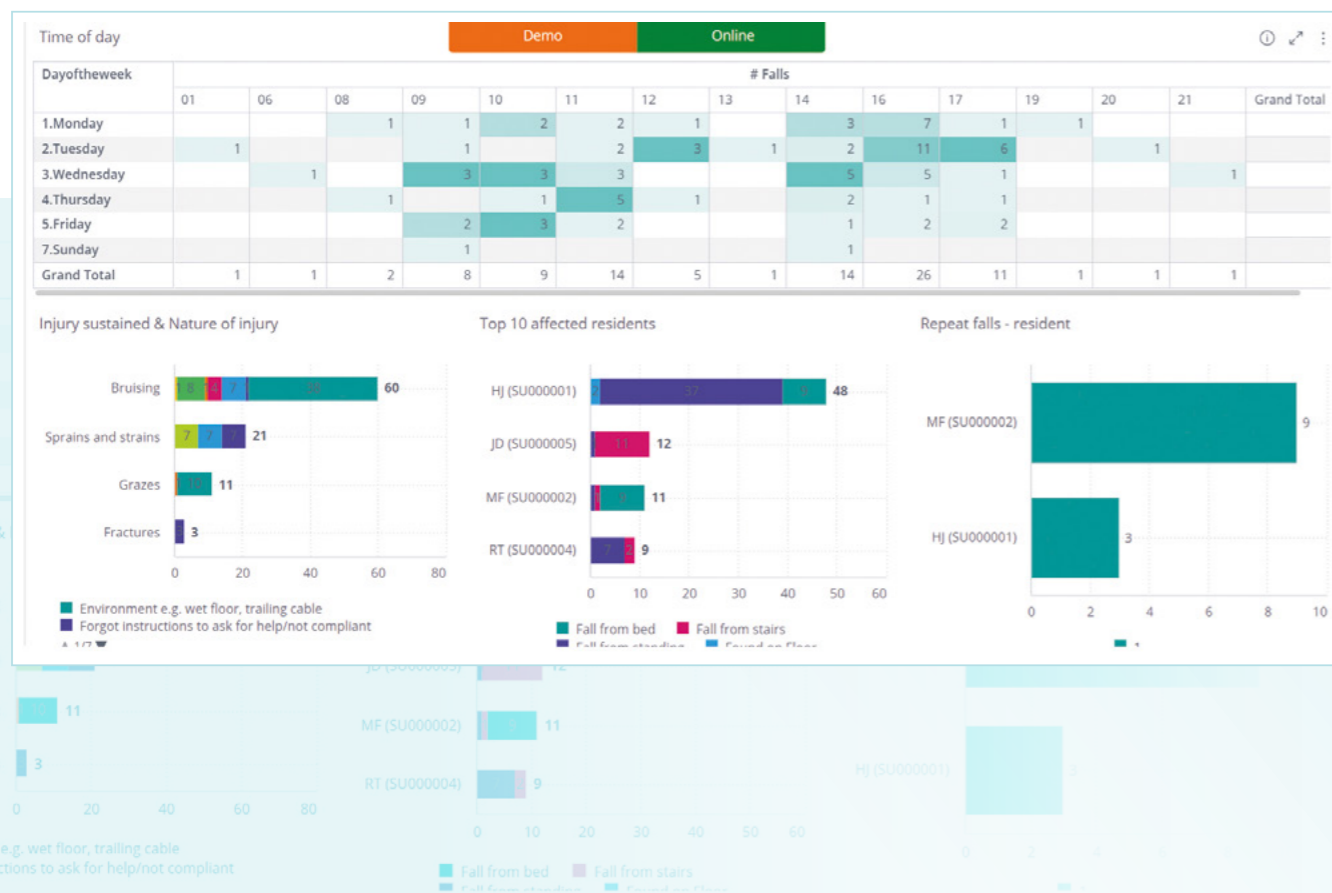
"Using the analytics and reporting functions prevents the need to manually review numerous individual records and reports in an attempt to identify themes and trends."
Darren Davies, Head of Quality and Compliance for Midlands Air Ambulance Charity

Features and Benefits of Analytics

Radar Healthcare's Analytics has been designed with all stakeholders in mind, ensuring efficiency for end users through to data analysts and other technical experts who'll want to use our most advanced features. Our Analytics offer is split in two, with Standard Analytics coming with the system for all customers, and a host of amazing tools for your users.
Our Analytics Builder Licence is an add-on to the system, and allows customers to customise your own Dashboards.
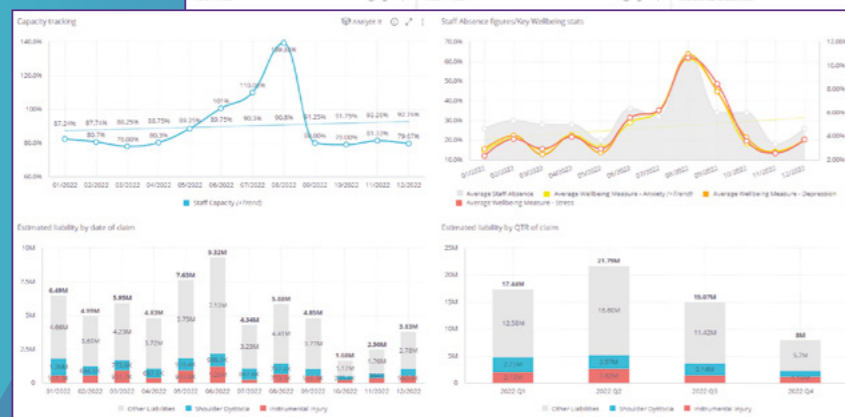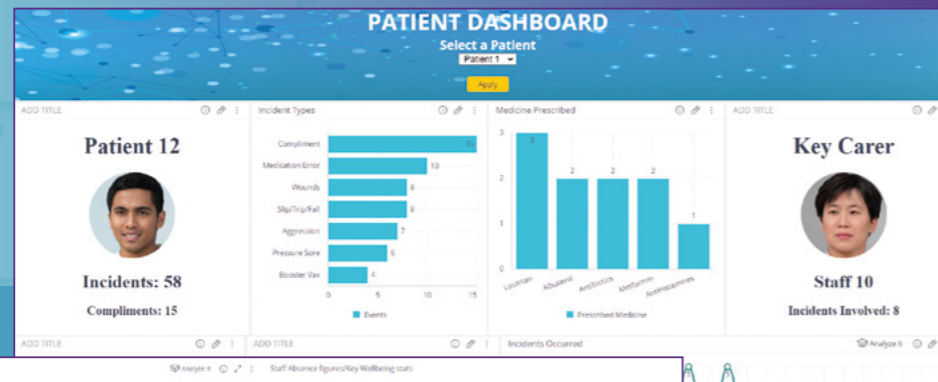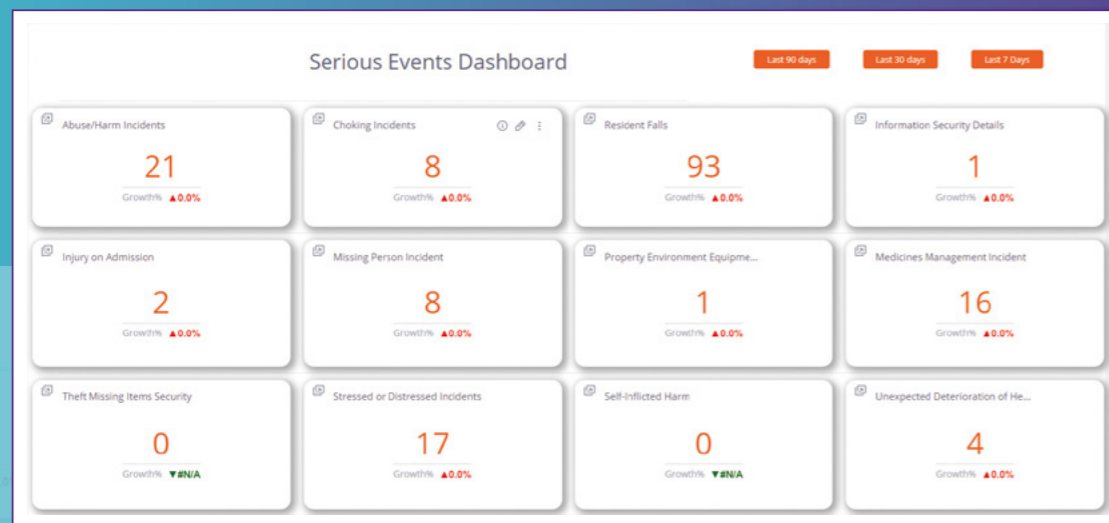
Standard Analytics

With the standard Analytics features, that come as part of the core Radar Healthcare system, there are a lot of incredible features that users across your organisation can take advantage of. It's easy to use, with standard dashboard templates built into the system, to cover your reporting and learning from the moment you start putting data into the system. Minimal manual intervention is required, so you don't need an internal technical team to use the features.

FEATURE	DESCRIPTION	BENEFITS
The Analytics module is a tool within Radar Healthcare to predict future risk and monitor KPIs, applying machine learning to track trends within the data without manual intervention.		Users can spend more time using the data instead of analysing it. Intelligence vs data, on other systems, you may have a whole host of data, but it requires interpretation to become useful. Radar Healthcare Analytics enables this data to be translated into intelligence that tells the real story of how your organisation is operating.
Dashboard analytics	Provides charts and trends over a defined period of time.	You can easily spot trends in performance. Analytics automatically triggers actions to ensure compliance and performance is always monitored and improved. Dashboards remove the need to manually analyse data or wait until month end to report on performance.
Explanations	The Explanations feature automatically identifies probable key drivers for a given change in your data. It covers hundreds of possible contributing factors and presents the top ten fields (or combinations of fields) that contributed most significantly to the change in behaviour between the selected point and a previous point. You can explore these fields to see what effect they had on your data. This helps you get the answers you need inside Analytics and enables decision makers to easily understand connections and root causes in KPIs.	Save time by reducing the need for manual and time consuming investigations, find likely root causes and react accordingly at a faster pace. Potential resource saving as reduces the need for a data analyst internally.
Standard out of the box Dashboards	A suite of Analytics Dashboards that link to our Toolkit events, giving powerful insights without the need to customise or create your own Dashboards. The Dashboards and Toolkits have been designed to ensure key regulatory evidence is being captured and presented in an easy to understand way.	The built-in link between the Toolkit events and standard Dashboards means that no resource is needed to design and build Dashboards. The transition from a module going live, having data entered to producing the informative learnings in Analytics is quick and painless. All of our out of the box Dashboards have been curated alongside health and social care professionals to ensure they are fit for purpose, tracking the most commonly required metrics.
Pulse Alert function uses machine learning to identify and keep on top of key performance indicators. Our intelligent Analytics learns what an organisation's status quo looks like and tracks the data, sending alerts when there are anomalies that may need intervention.		Stay well-informed with KPI alerts that are bespoke to your data and will automatically notify you when a criterion isn't being met, or anomalies are detected.

Custom Analytics

With a Radar Healthcare Analytics Builder Licence, you can build your own custom Dashboards, or the Radar Healthcare in-house team can build them for you, based on your own organisational goals and KPIs.

FEATURE	DESCRIPTION	BENEFITS
Build your own dashboard	Create your own bespoke Dashboards to share with your users. Build an unlimited number that are designed for specific audiences and purposes.	Users see what is important to them. With the ability to share Dashboards for specific user groups as well as ability to export, there's no more paper, no more excel formulas, no more data entry, saving time and allowing users to focus on learning from and implementing findings.
Custom cube	Add your own custom data into Analytics for you to use when building out your own Dashboards. This could be fields captured within any of your custom forms (Events, Scheduled tasks, Workforce Compliance) as well as built in calculations using custom data, for example, the amount of time required to do something.	Create meaningful bespoke Dashboards with data specific to your organisation, save time on data entry and more time on data intelligence.
Import 3rd party data	Import information from 3rd party systems to be used alongside Radar Healthcare data within Analytics. Data can be brought in and housed as a cube so the user can build Dashboards. *Please note this is a chargeable extra.*	Having all your data drawn to one source allows you to get a holistic view of all relevant information, viewing trends and seeing correlation between different sets of data without the need for manual data entry and analysis.
Permissions	Choose which Dashboards are shared to which user. You can create Dashboards specific to different user types too. Build Dashboards once and let Radar Healthcare location / region permissions filter the data upon sharing so that users only see information pertinent to their location / region.	Build once and share to all applicable users and let Radar Healthcare filter out what people should and shouldn't see (e.g. org vs location level). You can also build specific Dashboards for specific use cases and only share with the users who need to see.
The below features all require high level of expertise but offer a high level of return with the design and functional possibilities.		Unlocks massive potential in functional capabilities and customisation. Users with the relevant expertise can create whatever they want.
Custom design	Add custom infographics with Blox, or design KPI widgets however you want them to look using HTML and CSS. The Sisense BloX framework includes a robust library of templates to ensure that you can get started quickly by adding the new visualization options or integration points with other systems. Additionally, the Sisense BloX framework includes an easy-to-use interface to expose and access many API capabilities directly in the Sisense UI using standard basic CSS and JSON. You can also link in with other systems, e.g. embed Power BI elements into Analytics, or link in with other Dashboards, writing in what filters need to be applied and where to direct the user etc. These features would require someone who is a more technical or senior data analyst.	Sisense BloX makes it easier than ever to create custom actionable analytic applications from complex data by leveraging powerful prebuilt templates to integrate application like functionality into Dashboards. Templates mean that users can get started quickly, with a useful starting point. The easy-to-use interface to expose and access many API capabilities directly in the Sisense UI, using standard basic CSS and JSON, makes these APIs more accessible to a much wider range of developers in a low-code environment. Essentially, the right user can create whatever they want, unlocking a lot of potential from the system.