Magikk

Connecting lone workers working at remote outdoor sites, ensuring workers safety

BLACK BOX®

Made in India

*Designed & Developed
at the Bengaluru R&D Center*

Magikk

An IoT device with integrated Ai for Field Intelligence

1. Real-time location tracking

Gain full visibility of workers at remote locations, in the industrial premises, anywhere outdoors or indoors. Precise GPS location data, can easily be viewed via a map-based visualization system in a web browser and mobile app.

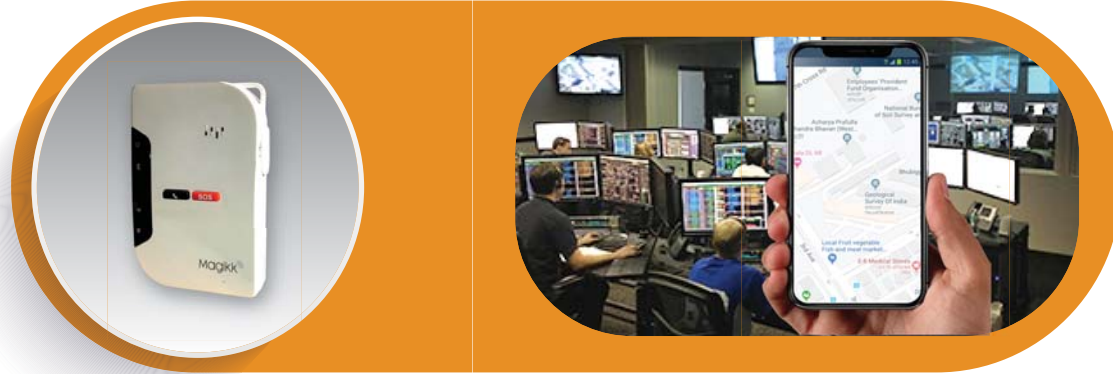## 2. Industrial and Workers Safety

Built-in sensors detect any immobilization of staff or employees. Immediate detection and communication of any emergency situation to the command and control center.

3. Command and Control

Situational awareness platform on App and cloud software for quick detection of location of problems faced by the remote workforce.

4. Emergency Alert System

Single click emergency connect to the command and control and enterprise EHS system with bidirectional communication flow, and accessibility of situation and navigation.

5. Rugged and Waterproof

With IP65-rated, industrial design, Magikk can withstand extreme temperatures from -20 °C to +60 °C, water, and dust. In addition, the telecom SIM cannot be accessed from outside without breaking the seal, ensuring security of the SIM Card.

6. Geo Fencing

Easily create geofences to demarcate any and all the entry access restricted zones and areas via the user-friendly web interface. At the command and control center get immediate hazard control alarms using geo-fencing for any violations.

Track Outdoor or Indoor

Seamless tracking both indoors and outdoors, using Google geo-location for indoors

Man-down Alert

With embedded sensors, any sudden fall is detected immediately, and the alert with the location is sent out by SMS, WhatsApp, Emails

Single click SOS

One click on the SoS button in emergency would send an SMS to up to three specific numbers, with the location from where the SoS button was pressed

Single click call to fixed numbers

On a single click MAGIKK would dial fixed numbers setup according to priority, it would hunt the next number if one is busy

Geo-fencing alert

Alerts are sent out in case of in and out from the geo-fences, like home, office, school, work

Rugged and Waterproof

Build rugged, waterproof and dust proof with IP65 certification

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Other Unique Features of Magikk

Magikk

Call recording

The app records and stores every call made to devices. This is useful for training and monitoring purposes

Listen in facility

Call to MAGIKK from Mobile App without ringtone, silently and listen to the ambient noise

SOS broadcasting to WhatsApp

All the SoS messages or other Alert messages would be sent to WhatsApp linked to the account

Navigate to SOS location from App

One can navigate to the SoS location using the map on the MAGIKK App itself

Dual mode switchable – Drive or Walk

When used by the chauffeurs, the MAGIKK device would show as either drive or walk mode, so that you know about the driver

In-cabin voice alert for Dangerous Driving

The speaker of the MAGIKK device would alert with pre-recorded messages in case of dangerous driving

Low battery alert

In App, On Web, and on Device vibration alerts for low battery, with a battery saving mode

No movement alert

For a case of no movement for a long time, as defined by the user, there would be an alert from the location of no movement

Route deviation alert

When the MAGIKK is set for a specific route, if there is any violation to the route, there is an immediate alert

Over speed alert

As per the Maximum Speed setup, and in case of over speeding, there would be immediate alerts

POI

Alerts are sent out in case of in and out from POI, like home, office, school, work

Reverse geo coding integrated

The navigation, location reporting, and live tracking of MAGIKK can be viewed spatially on Google map, in integration with Google geo-location

Device work time control

workers, the work time can be controlled remotely through App and Web

No data alert

For a case of no data (No GPRS) for a long time, as defined by the user, there would be an alert from the location of no data

Device switch off control

Remotely MAGIKK can be set up so that even on press on the switch off / on button, the hardware can not be switched off

Integrated with Google Map

Using reverse geo-coding, when GPS is not available, for indoor positioning, using the tower triangulation algorithm, the location is reported

Android app

MAGIKK Android App for complete control of multiple MAGIKK devices

Google alerts integrated

Google alerts in your Android Mobiles for urgent alerts

iOS app

iOS App to control and monitor all the MAGIKK devices under one account

History Playback of the movement

History playback of the movement for each and every MAGIKK device is possible on the Web

Drop Protection

Drop protection for sudden and accidental fall from hand

Log record in device

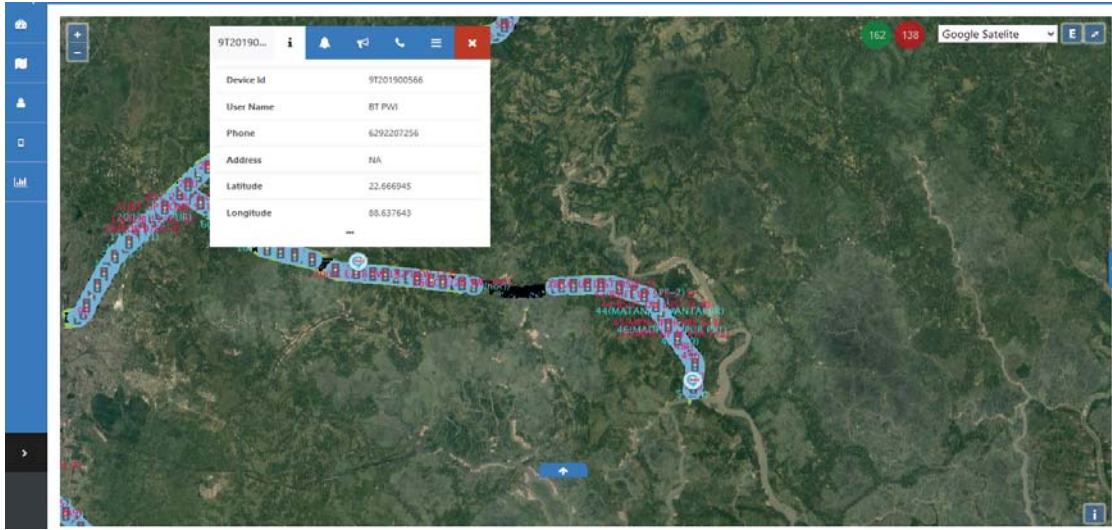Log of more than 1000 records can be stored in the MAGIKK device
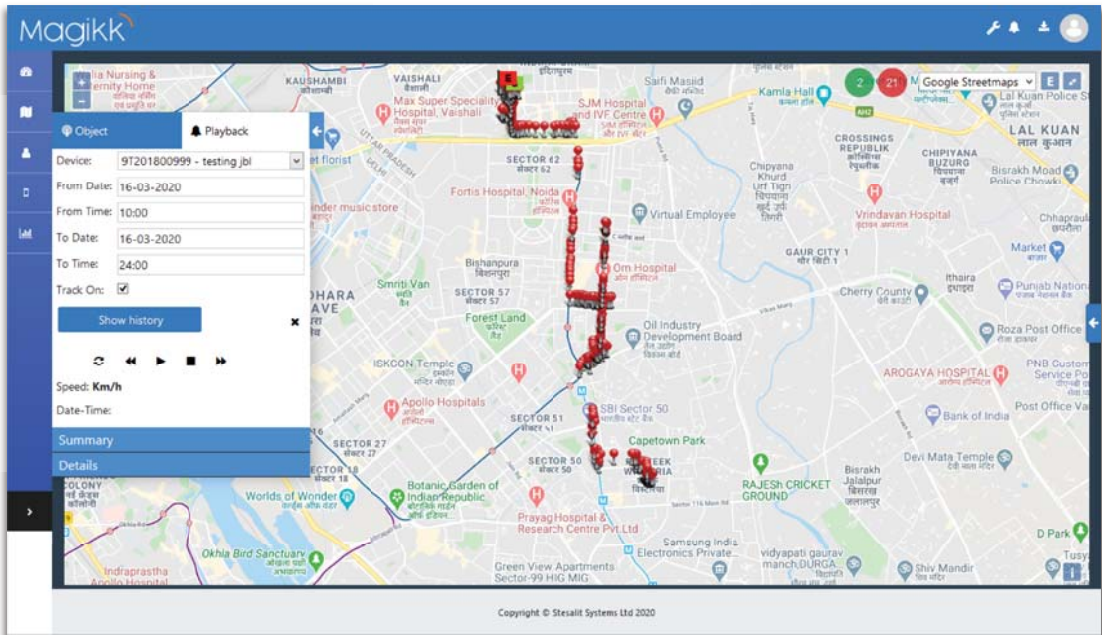
BT V3.0 BLE TYPE 3.0   **NFC integration**

Real Time Track
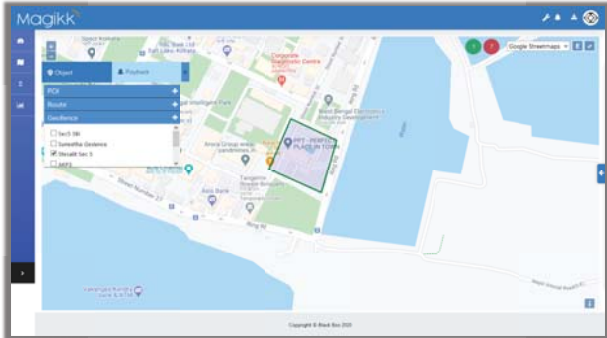

History Playback

Current location of the user on map with address, battery percentage and time of last location data.

History data can be checked with travelled path and play, pause, stop option including time and speed at each point.
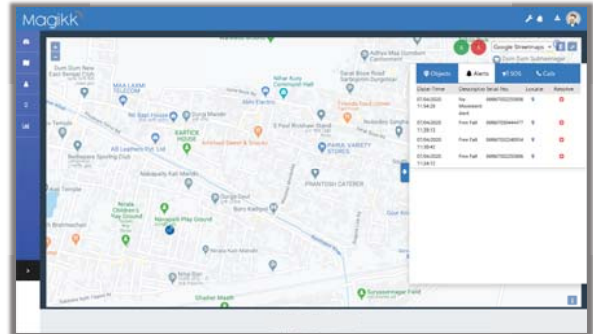
Geo fence Zone

Geo fence zone can be created for zone in and out alert.
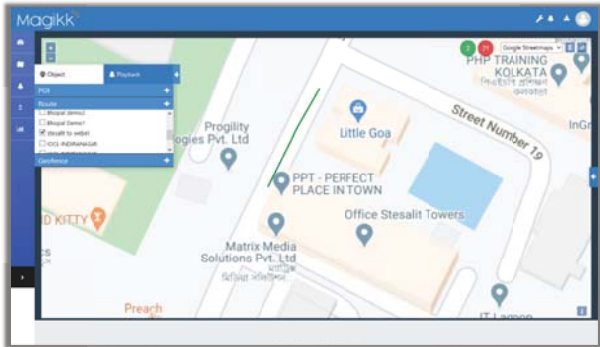

Alert SOS Call

Check Alerts, SOS and Call of every specific devices under his or her account.

Route Deviation

Routes can be created and route deviation alerts can be set against those routes.
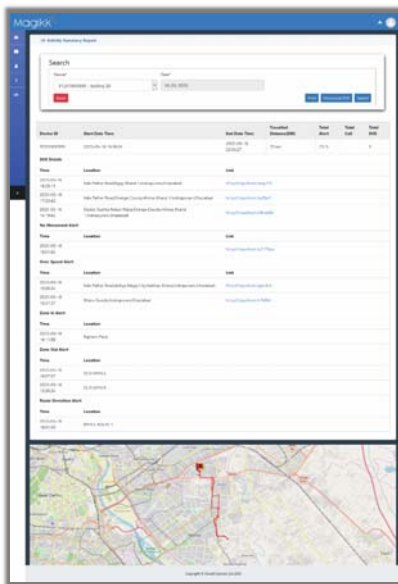

Device Configuration

Device name, SOS numbers, Call numbers, data interval etc. can be configured.

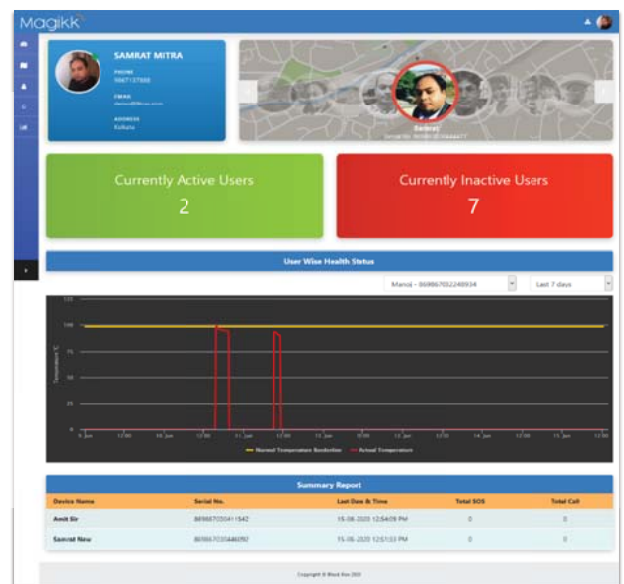## Customizable Portal

The MAGIKK portal can be customized including the reports according to the client needs and requirements

- Active and Inactive user count
- User wise and today's health status in graphical representation
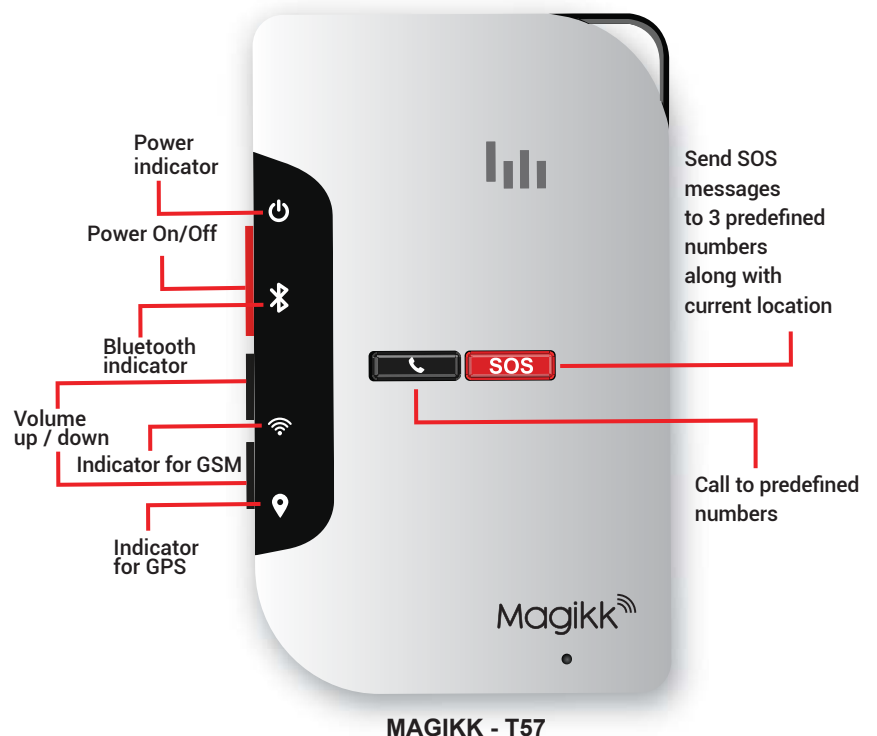- Summery Report of all active users.

Reports Printing

Dashboard

SPECIFICATIONS FOR MAGIKK	
MECHANICAL	
DIMENSION	100x70x30 mm (max dimension)
WEIGHT	Less than 100g with battery, Easy-to-grip, impact-absorbing bumper
POWER AND BATTERY	
TYPE	RECHARGEABLE LI-ION (LOW BATTERY INDICATION)
CAPACITY	3.7V 1000 mAh BATTERY, 15 HRS RUN TIME (UNDER TYPICAL CONDITIONS).
PORTS & LED	
USB	MICRO USB 2.0 FOR CHARGING AND DATA TRANSFER
LED	POWER ON/OFF, GSM, GPS AND BT SIGNAL STATUS, LOW BATTERY INDICATION
COMMUNICATION	
GSM/GPS	GSM 850 / 900 / 1800 / 1900 MHz
BLUETOOTH®	V3.0 BLE TYPE 3.0, SUPPORT SPP AND HFP-AG PROFILES
SENSORS	
ON-BOARD	3-AXIS ACCELEROMETER · VIBRATION MOTOR

Unique IOT Wearable

- IOT & Cloud based Industrial Field force management solution for on field Engineering & maintenance staff
- A unique IOT wearable for pipeline monitoring, lone workers, in Industrial Safety
- Seamlessly integrates with the EHS Compliance system
- Equipped with emergency fall down alarm, SOS functions and easy-to-use GPS tracking system, you can implement real-time tracking anywhere through a mobile phone or laptop
- Command and control on Mobile App and cloud software
- Single click emergency connect to control room with bi directional communication flow
- Sensor integrated for auto detection emergency conditions with hazard control alarm using geo fencing
- Complete visibility of workforce using app and cloud
- Available on easy subscription model and on premise hosting model

Features

- Portable design
- Light weight
- High precision GPS
- Two-way calling/listen-in
- 7 days' standby time
- Built-in Mic and Speaker
- Less than 1% Rate of Repairing
- Efficient Li-ion battery
- Emergency alarm
- Dedicated SOS button
- Rugged design
- Dust, water, and fall resistant

Power indicator

Power On/Off

Bluetooth indicator

Volume up / down

Indicator for GSM

Indicator for GPS

Send SOS messages to 3 predefined numbers along with current location

SOS

Call to predefined numbers

Magikk

MAGIKK - T57

Constructions

Construction is a large field level operation with multiple agencies working together, with different teams working at their own domains. Integration of the large team members and also different teams together is a challenge. Best way communicate and visualize this operation is using the MAGIKK IoT solution with built in AI functionalities.

Field Manpower Agencies

Field Manpower Agencies supply a large number of manpower to the field work, may be for survey, construction, or other contract jobs. There is no easy way to get a complete picture of the teams on field. MAGIKK AI based solution provides the exact visualization of this whole team on a single screen on a single touch.

Factories

Large scale factories with multiple shop floors involve a huge number of workers, supervisors and managers. Communication during emergencies becomes a challenge. Ideal solution would be to use the MAGIKK communication and visualization system for safety and security of the workers, supervisors and managers on the shop floors.

Airport Ground Staff Services

Airport Ground Staff are always under pressure, to perform a lot of duties at the least available time. It is important that the staffs are at the right place at the right time so that there is no issue during the boarding and cargo loading processes. Through a single screen the whole team can be visualized live and real-time location alerts are transmitted via Email, SMS, WhatsApp and on Web.

Security Services

Security Service staff are posted in disparate locations spanning a very large area, and many of the time they are lone workers. It is important to visualize each one of them and have a dedicated one-to-one communication link, with alerts for any untoward instances. MAGIKK IoT system makes it the ideal solution for these lone workers at security points, be it at the office, factory or other premises.

Port and Cargo Handling

Port and Cargo handling areas are a big messy affair, unless the management has a complete visual understanding of the assets and people in the large area can be seen on a screen. In addition, safety at these areas are of paramount importance, whenever there is any issue a one-touch communication can be established between the Headquarters and the field staff.

Magikk Users

Magikk

Staff at Malls and Marketplaces

Mall and Marketplace managers would like to ensure they are staffed at the right place at the right time. In a large mall it is not easy to locate the staff one is looking for. Locating, dispatching, and monitoring, and managing becomes a cakewalk when the managers can visualize their staff in real-time, on live screen and provide the necessary instructions to the right staff at the right time. Even idle time can be reported using MAGIKK AI capabilities.

Event Management Staff

Events like concerts, sports, to political or social events are very large scale, requiring many ground staff during the event. It becomes a mess unless the event managers have complete visualization and control over the whole area where the event is happening and the staffs are posted. With AI based MAGIKK solution, visualization and communication to all and each of the staff is ensured, and MAGIKK becomes the solution of choice to manage events.

Tour Operators

A tour operator taking care of a team of tourists becomes a nightmare especially when the tourists are from abroad. On a single screen the tour operators can visualize and connect to the whole tourist team at a tourist place. On a single touch the tourist can connect with the tour operator, or the hotel in case of any issue or for directions, and can speak in their own language.
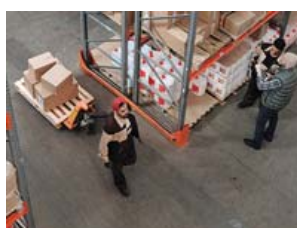
Service Engineers Team

With seamless visualization indoors and outdoors, the team of Service Engineers assigned to tasks can be monitored remotely on a single screen. AI based algorithms allow the managers to get alert notifications on Email, SMS, WhatsApp on the assignments that have been skipped or the locations assigned were not visited.

Hospital Staff

Hospitals are large areas with many special staff, and without teamwork most of the patient care is incomplete. It is always difficult to locate particular team members when there is a need or an emergency. The hospital managers and floor supervisors now have an option with MAGIKK to visually understand where each of his or her staff is, and connect with each one of them one on one as needed.
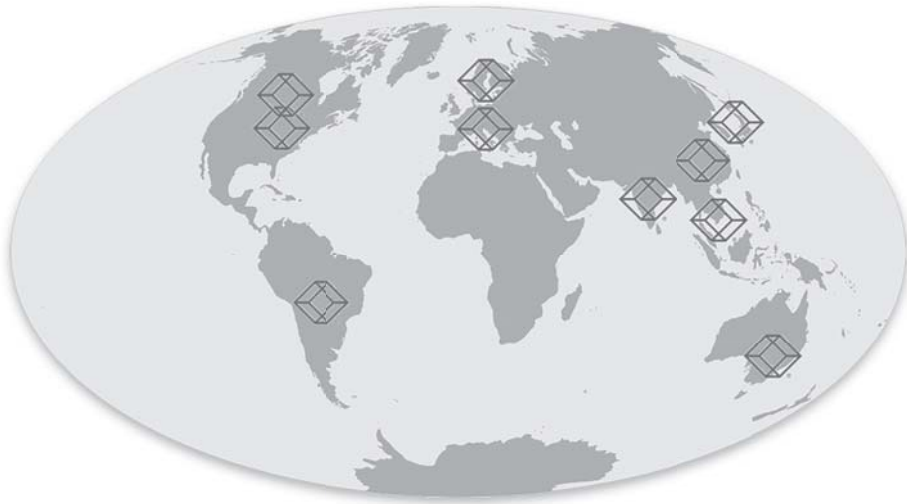
Sales & Logistics Teams

Complete visualization of the sales and logistics teams on the field or on assignments anywhere under the sun is ensured with a two-way communication between the supervisors and managers on a single click. The managers can also call in to listen to the ambient sounds on how the salesperson is doing by calling in silently.

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◈ Established in 1976
◈ Wholly owned subsidiary of AGC Networks
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◈ 175,000+ customers in 150+ countries
◈ Worldwide coverage through Black Box offices and partners

◈ ISO 9001 certified
◈ Designs, deploys, manages, and maintains a full range of technologies that support connected buildings, the digital workplace, and customer experience
◈ 24/7 pre- and post-sales technical support

Magikk

More than 10,000 users .... growing everyday

Indian Railways   Gas Authority of India Ltd.   Indian Oil Corporation Ltd.   TRL Krosaki Refractories Ltd.   Gates Corporation

Chhattisgarh police   Ranchi Municipal Corporation   Nagar Nigam, Shahjahanpur

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