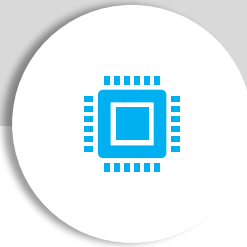


Tapadia Tech IoT



Projects



Development



Training



Consultant



Software

Growth of IoT

200.4 million devices in 2019

That's a lot of money

700.4 million devices by 2025

And a lot of users

32% adoption rate

Estimated adoption rate each year!



Tapadia Tech IoT



What are we offering?

IOT solutions for Telecom Industry



BTS



Cell Site



MSC



Data Centre



Outlets



Benefits of adopting IoT solution

1. Efficient resource utilization
2. Increased efficiency of equipment
3. Reduced human efforts
4. Reduced downtime
5. Real time information
6. Decision analytics
7. Low on OPEX
8. Helps reduce carbon foot prints

Designed for

Energy
Management



Security
Systems



Access
Control



Air
Monitoring



Asset
Management



CMS
Software



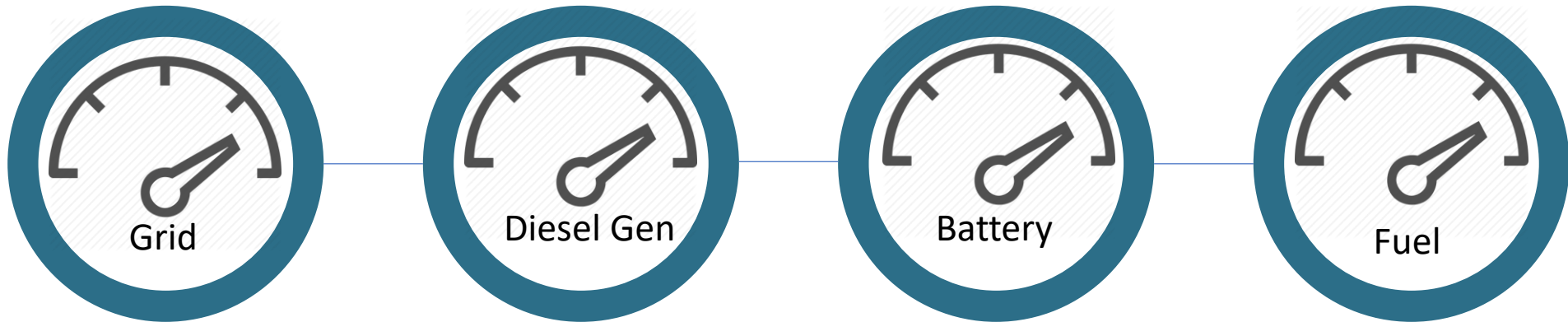
Mobile
App



Utility
Software



Energy Management



Energy Management

Grid Power

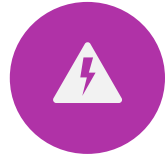
Real Time Monitoring

Power Fail Alerts

Over usage Alerts

Instant Email on Triggers

Instant Notifications on Mobile



DG Power

Real Time Monitoring

Power Fail Alerts

Over usage Alerts

Instant Email on Triggers

Instant Notifications on Mobile

Battery Management

1. Monitor real-time power consumption generated by **DG and Grid**.
2. Get notified if the consumption is larger than the allocated limit.
3. A detailed report provided by the system makes it easy to identify and rectify a weaker area and **control power consumption**.
4. Smart utilization of energy saves the operational cost and also helps save the environment.



Real Time Monitoring



Instant Email on Alerts



Instant Notifications on Mobile

Fuel Monitoring System

With today's complex environmental compliance issues we must have a reliable system for monitoring fuel consumption.

1. To address this problem we provide a simple solution where it makes possible to **monitor the fuel level in real-time, get notified with alerts and emails if fuel level reaches threshold limits.**
2. Monitoring such aspects helps us to **track fuel theft, track generator performance, fuel tank leakages, fuel quality** etc.
3. Saving fuel not only contributes to generating profits but also contributes to reduces Carbon footprints.



Real Time Monitoring



Low Fuel Alerts



Over usage Alerts



Instant Email on Triggers



Instant Notifications on Mobile

Security Systems



Fire Alarm System



Access Control system



Intruder Alarm System

Security Systems

The security and surveillance industry is changing, and solutions have moved far past basic alarm monitoring to live video surveillance and other remote security features have increased visibility for organizations that want to safeguard their people, assets, and buildings.

The Internet of Things (IoT) is helping create safer cities, homes, and businesses by enabling both private and public organizations to securely and remotely monitor facilities.

Access Control



Instant Email
on Triggers



Instant Notifications
on Trigger

Fire Alarm System



Instant Email
on Triggers



Instant Notifications
on Trigger

Intruder Alarm System



Instant Email
on Triggers

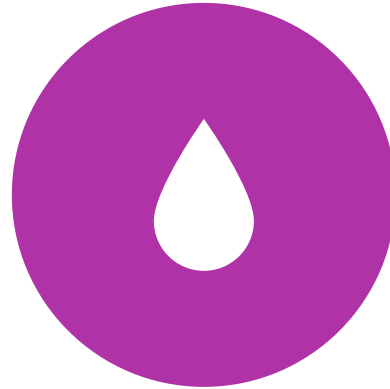


Instant Notifications
on Trigger

Air Quality Monitoring



Carbon



Humidity



Temperature

Air Quality Monitoring



The product is designed to give a real-time information to the user about the actual air quality inside the shelter. The following parameters are measured.

1. Temperature & Humidity inside the room
2. Outside weather conditions (optional)
3. Carbon concentration
4. LUX level (Optional)
5. Earthquake Detection (Optional)



High Temperature Alarm



High Humidity Alarm



Instant Notifaction on Trigger



Low Temperature Alarm



CO2 content high Alarm



Instant email on Trigger

Asset Management

Tags & Geofencing



We can define geofencing as “creating a virtual boundary in which a device, individual or asset can be tracked and monitored or detected if the boundary is violated.”

In other words, geofencing is a tool that creates and tracks virtual boundaries. It uses GPS technology along with dedicated software to track equipment and people.

The software also sends users alerts and notifications about the premises that they’re tracking.



Live Tracking



Instant Email on Alerts



Instant Notifications on Mobile

Introducing Application

Tapadia Tech IoT is a end to end solution with a app front end that works on **iOS** and **Android** platform to control **Arduino**, **Raspberry Pi** and **other boards** with a different manufacturer for implementation of IoT.

Our application is not tied to some specific board or shield. Instead, it supports the hardware of your choice and is a cross platform solution. Whether your Arduino or Raspberry Pi is linked to the Internet over Wi-Fi, Ethernet or this new ESP8266 chip, our application will get you online and ready for the **Internet Of Your Things**.



Note: Real-time Dashboard

Mobile Application



Note: Real-time Dashboard

The screenshot shows a 'Coming next' screen with a dark background and green text. It lists several upcoming features, each with an icon and a brief description:

- Map:** Display coordinates from your GPS module on a map.
- Security:** Add extra security to your project by encrypting communication data.
- Sound:** Play a sound or music triggered by Arduino.
- Weather:** Use weather as an additional input for your projects.
- Voice Control:** Set up voice commands and send them to the board.
- Facebook:** Super easy way to spread the word to your friends.
- Video Stream:** See what's going on in your room while you are away.
- 3rd party APIs:** Integrate your project with Temboo, Xively and other services.
- SMS:** Why not getting an SMS if something happened with your board.

At the bottom of the screen, the text 'And even more to come!' is displayed in white.

Sensors Available



Temperature



Temperature three-foot probe



RTD high temperature



RTD low temperature



Duct temperature



Water temperature



Humidity



Water detection



Water rope



Open/closed



Dry contact



0-5 volt meter



0-10 volt meter



0-50 volt meter



0-20 amp AC current meter



150 amp AC current meter



1-50 volt detection



Voltage detection



0-20mA current meter



Single-input pulse counter



Button



Wireless Infrared Motion Detection



Wireless 500VAC/VDC Voltage Meter



Wireless Accelerometer—Tilt



Wireless Accelerometer—Impact Detection



Wireless Accelerometer—G-Force Snapshot



Wireless Accelerometer—Vibration Meter

Remote Monitoring Software – Admin Console

Implementing IoT remote monitoring for your facilities and assets increases visibility into asset performance by predicting equipment failure and alerting you to fix the problem before downtime occurs & saving you from dreaded emergency maintenance.

All of this data is available to you real time on a single view dashboard through our application.



Note: Real-time Dashboard

Remote Monitoring

Time series to columns

Time ▾	backend_01	backend_02	backend_03	backend_04
2015-12-04 11:49:40	268 °F	273 °F	251 °F	250 °F
2015-12-04 11:49:20	267 °F	264 °F	283 °F	271 °F
2015-12-04 11:49:00	259 °F	267 °F	261 °F	266 °F
2015-12-04 11:48:40	295 °F	285 °F	294 °F	287 °F
2015-12-04 11:48:20	266 °F	281 °F	284 °F	282 °F
2015-12-04 11:48:00	279 °F	297 °F	295 °F	281 °F

1 2 3 4 5 6 7 8 9

Table General Metrics Options Time range Back to dashboard

Data

To Table Transform Time series to columns ▾

Columns +

Table Display

Pagination (Page size) 50 Scroll Font size 100% ▾

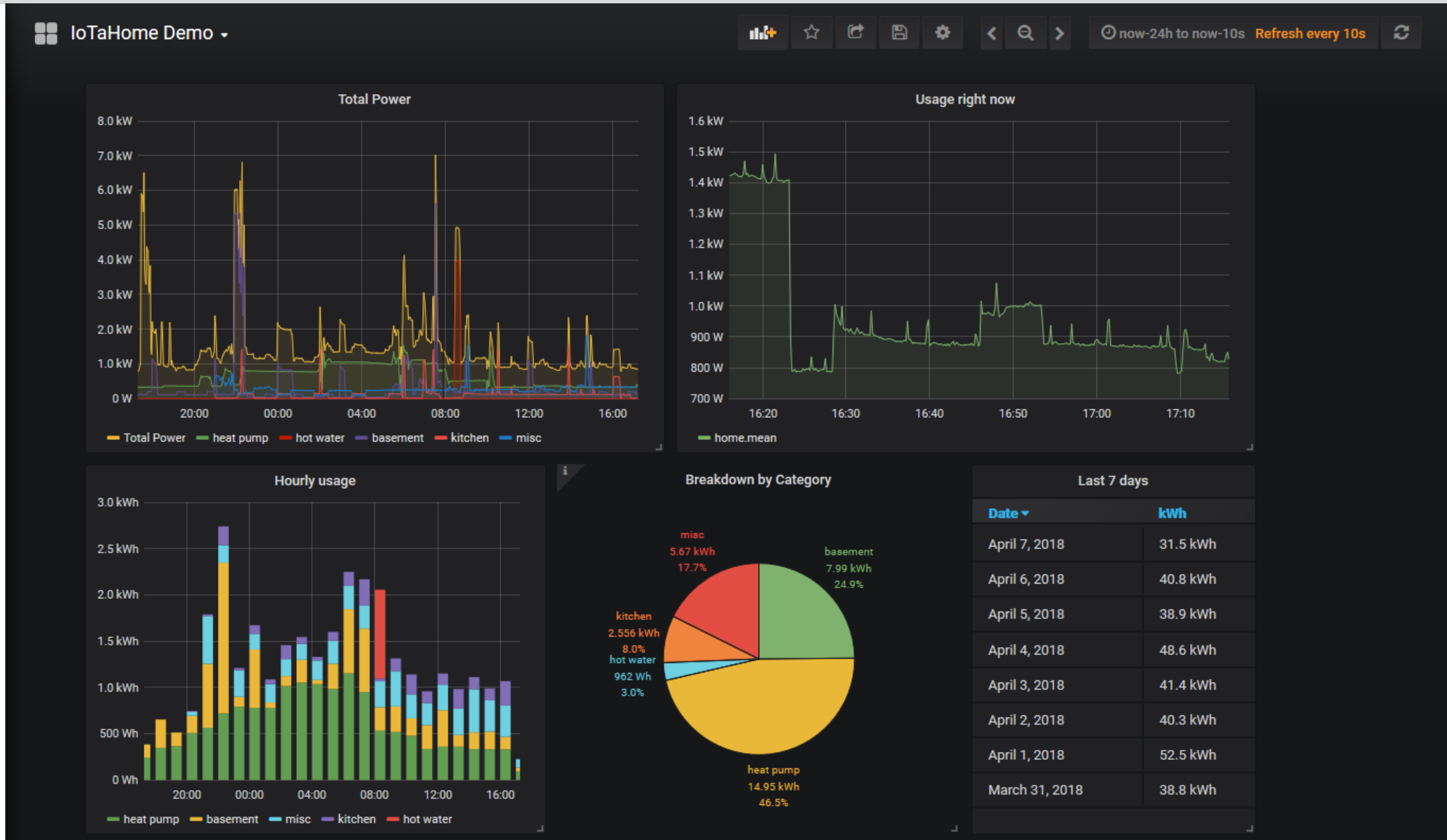
Column Styles

Name or regex	Time	Type	Date	Format	YYYY-MM-DD HH:mm:ss	×
Name or regex	./	Type	Number			×
Coloring	Cell ▾	Thresholds ⓘ	270,275	Colors	■ ■ ■	
Unit	Fahrenheit (°F)	Decimals	0			

Add column style rule

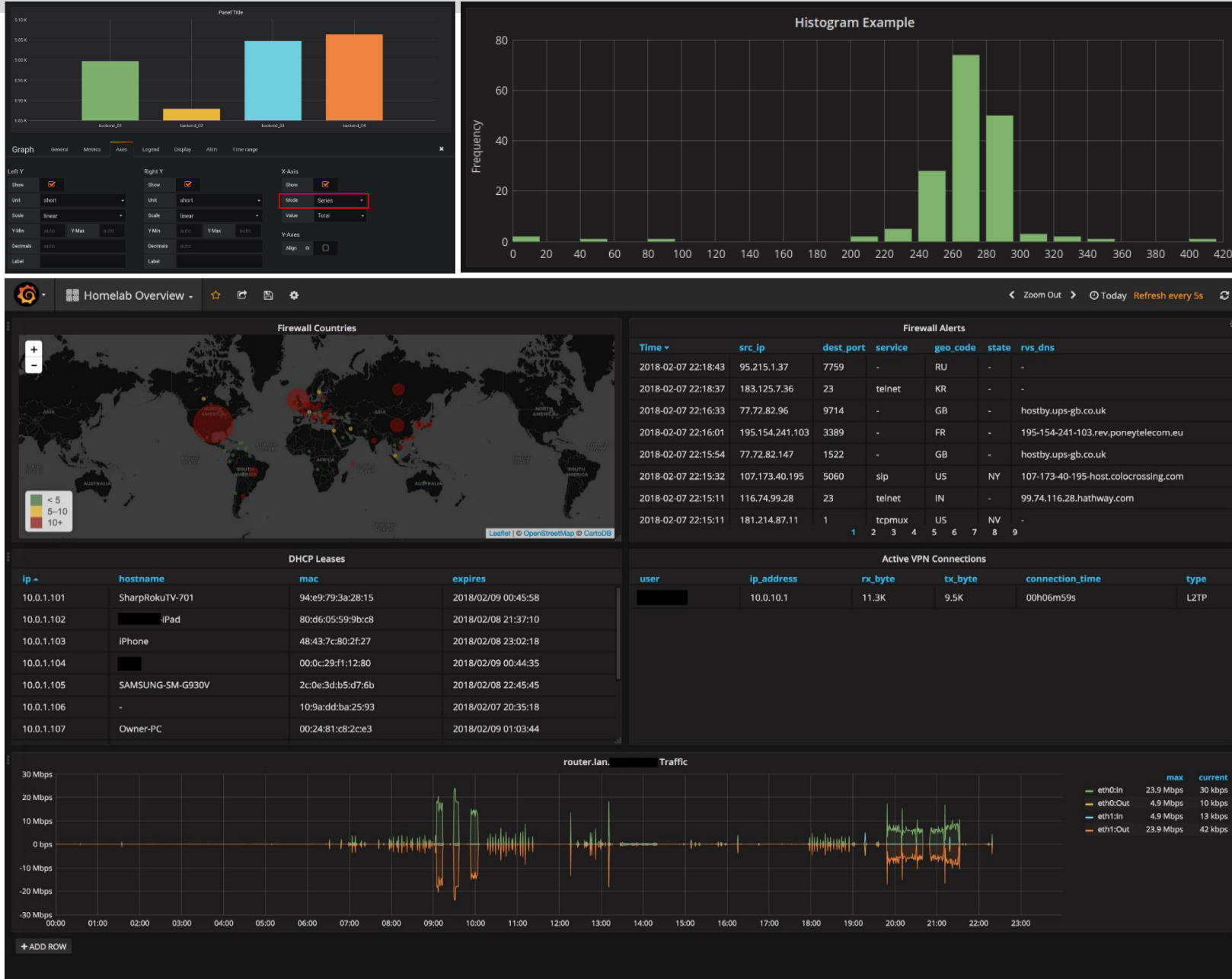
Note: Real-time Dashboard

Remote Monitoring



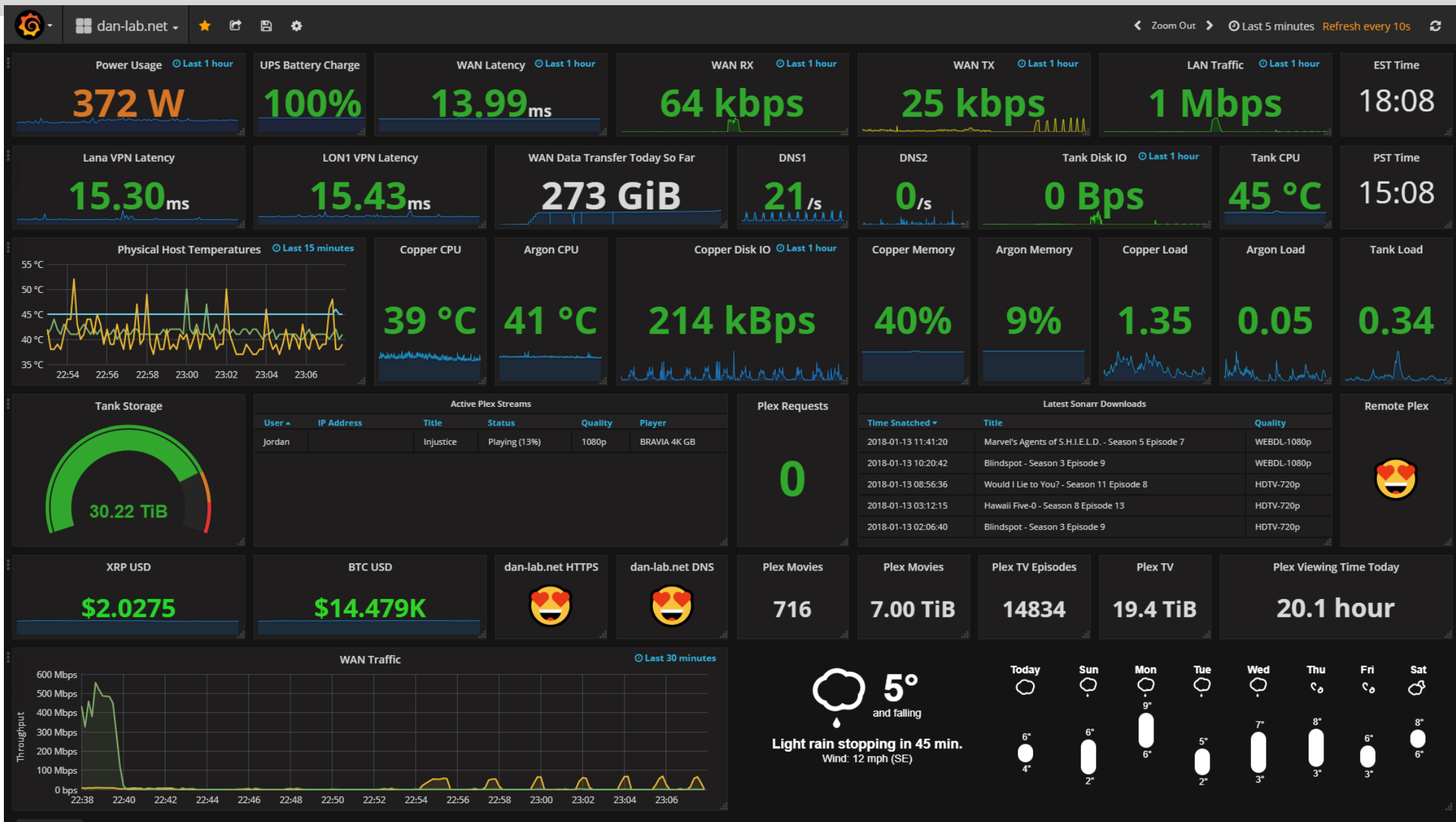
Note: Real-time Dashboard

Remote Monitoring



Note: Real-time Dashboard

Remote Monitoring



Remote Monitoring



Utility Software

Avoid Instrument downtime and Penalties, also increase productivity with Utility Software to assist the Origination with Vendor management and timely reminders for Service Maintenance, Break down, Utility bill payments etc.

1 Reminders

Advance reminders for Utility Bills, Service Schedules etc .

2 Schedulers

User defined Schedulers / Reminders.

3 Task Manager









Task manager allows you to get notified for all completed and pending task.

4 Reports


Get detailed report for all task completed, pending and performance report.

Setup Architecture and features of current product

Ready in current product

-  API's for data transfer
-  MQTT protocol
-  Server for Mobile APP
-  Data Visualising
-  Database for Mobile App
-  Data Alerts Handler
-  Mail Server
-  Data Publishing

Product roadmap coming soon..

-  Server for CMS
-  Security Layer
-  Big DATA
-  OTA Server
-  Data Analytics
-  AI Cloud
-  Google Tensor Flow (AI)
-  Output

Reach Us

Tapadia Creative Private Limited.,

5-2-122/1, 1st Floor, Susheela Bhavan, RP Road, Secunderabad - 500 003
Telangana, India.

Email : info@tapadiatech.com

URL : <http://www.TapadiaTech.com>

Phone : +91 40 4002-7711

Mobile : +91 92465-83611