A Cloud Datum Management System Based on QR Code

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Abstract. Realize obtain and modify big data from the simple scan the QR Code. Carved the QR sign on a big machinery equipment and used terminal device to scan it. Through the Customer Premises Device to scan the QR. Read the data stored in the Cloud. Making equipment could read the data immediately when maintain in the future across the Cloud, safety and efficiently. Bring huge business opportunity and benefit to the enterprise.

Background

It is cost much of our time and effort to maintain and keep in good repair of our equipment in our daily life[1-3]. Sometimes, maintenance man would cost much time because the information of equipment cannot update and gain in time, then maintenance man unable to reach high efficiency service. The enterprise also has suffered heavy losses because of it. So we make the customized and beautiful QR Code which based on QR Cloud Platforms Background software, it meets company standards, contain logo and name of the company, make it to the QR Code sign. Carve the sign on a big machinery equipment and use the mobile phone or the other terminal device to scan it. Through the Customer Premises Device like mobile phone to scan the QR. Read the data and datum which stored in the Cloud. In this way, the maintenance man can improve operation effectiveness by master the running state and update the data of equipment in time. It is also make the enterprise get maximum benefits. Improve visual effects and aesthetics through the specific product Art QR Code. Make the enterprise get maximum benefits.

QR Code Cloud Platform can create the customized and beautifying QR Code which meets company standards, contain the logo and name of company[4-5]. Through scan the QR Code, log in Cloud to obtain information. Users can use all attachable unit, connect Cloud to read information easily in anywhere and anytime, convenience and fast. Maintenance man can grasp first-hand information of equipment. To through print the QR Code of product in the simple book. In this way, equipment buyers can search detailed information quickly. E-commerce is exist in everywhere now, mobile marketing like Microblog, QQ and other mobile marking can also bring huge business opportunity and benefit to the enterprise. Make a specific Art QR Code of produce. See more business by use mobile marking like Microblog and QQ. Maintenance man can update information in Cloud after repair, by log Cloud, scan QR Code to leave message and then achieve recording modify, delete and manage equipment data. Update equipment data in the first time. Making equipment could read in the Cloud immediately when maintain in the future, safety and efficiently.

System function

Serve-Side

① Composition: It is composed of computer, laptop, Router, switch QR Cloud Background software and so on.

② Function: Produce QR Code.

Making entering, amend, delete, manage the data of equipment come true.
Cloud

The Cloud Computing system based on store and manage the data. Users can store data more convenient through any attachable device connect to Cloud in anytime and anywhere.

QR Code

① Production. Customized and beautiful QR Code produce by QR Cloud Platforms Background software, it meets company standards, contain logo and name of the company.

② Sign making. Turn the QR Code which produced by QR Cloud Platform Background Software into Format Picture, use appropriative Laser Scribing equipment scan QR sign on Stainless Stell, Hard Anodized Aluminum and any other metal. The mobile phone other terminal equipment can scan it.

Client

Including smart phone terminal equipment and client APP.

Smartphones and some other terminal device, including the mobile phone based on Android, iOS, Window System. Across install QR Cloud APP Client software in terminal equipment, scan QR which on the electric equipment sign. Read the information stored in Cloud, show them through 3G or 4G net on the Intelligent Terminal (See figure 1).

![System Framework](image1.png)

Figure 1. System Framework.

It is an innovation connect the basic state of equipment with QR Code Cloud data, Realize obtain and modify big data from the simple QR Code, break the result which although cost much resource, cannot repair the equipment well, give more convenience to the maintenance man. Install QR Code Cloud Platform APP Client software in terminal through smartphones and other terminal device, including the mobile phone based on Android, iOS and Window System. Scan QR Code which scan on the electric equipment, read the information stored in Cloud, through 3G or 4G net, show them on the Intelligent Terminal. Repair equipment in time and effective. Initiate connect Art QR Code with QR Code which scan on the equipment, increasing the artistic QR Code based on huge information stored in Cloud. Ordering QR Code Card for all company and equipment. Connect stored information of enterprise with Cloud data must become a trend in the future (See figure 2).
Application software named Cloud Eye is scan the sign of QR Code through the Customer Premises Device like mobile phone to read the data and datum stored in the Cloud, make the maintenance man or users can master the running state, record of repairing and the basic information system of product company. The Cloud Eye software can also make recording, modify, delete and manage equipment data, update the data of equipment in the first time come true. Making equipment could read information of equipment in the Cloud in first time. The information is safety and efficiently, efficient service in a short time of maintenance man. can be realized.

Cloud Eye software is consist of Serve-Side, The Cloud, a sigh of QR Code and Client. Serve-Side can obtain the information of product QR through the Cloud, make recording, modify, delete and manage equipment data come true. Users can use all attachable unit, connect Cloud to read the stored information easily in anywhere and anytime, Maintenance man can grasp first-hand information of equipment in the first time. Print the QR Code of product in the simple book. In this way, equipment buyers can search detailed information quickly (See figure 3).

Summary

It is an innovation connect the basic state of equipment with Cloud data, Realize obtain and modify big data from the simple scan the QR Code, break the result which although cost much resource, cannot repair the equipment well, give the most convenience to the maintenance man. Install QR
Code Cloud Platform APP Client software in terminal. Scan QR Code which scan on the electric equipment, read the information stored in Cloud, through 3G or 4G net, show them on the Intelligent Terminal. Repair equipment in time and effective. Initiate connect Art QR Code with QR Code which scan on the equipment. Connect stored information of enterprise with Cloud data must become a trend in the future.

References


