

BRM（耀骑）中国耐力骑行认证体系

私有链搭建暨自行车号码牌 NFT 系统推进

情况简介

BRM（Brevets de Randonneurs Mondiaux）verification number NFT
system White paper.

队员信息：

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项目报告：

Project Report

项目背景 Background：

BRM（Brevets de Randonneurs Mondiaux）全球耐力骑行认证体系由世界三大自行车组织之一的 ACP（巴黎人力车协会 Audax Club Parisien）发起，旨在推行一种非竞技类、激发骑行爱好者自我挑战的骑行理念。

本系统专门针对 BRM（耀骑）全球耐力骑行认证体系设计，是一套基于波卡跨链生态的私有链通证系统。

重点打造赛事的自行车号码牌 NFT 系统。

- The BRM (Brevets de Randonneurs Mondiaux) Global Endurance Cycling

Certification System was initiated by the ACP (Audax Club Parisien), one of the world ' s three major cycling organizations, and aims to promote a non-competitive cycling concept that inspires cyclists to challenge themselves.

- This system is specifically designed for the BRM (Yaoqi)Global Endurance Cycling Certification System. It is a private chain token system based on the Polkadot cross-chain ecology.
- Focus on building the NFT system of bicycle verification number for the competition.

原由 Reason：

BRM 自行车赛事号码牌 NFT 系统经过线下中心化运营，被证明可行，上链之后，必将进一步激发其价值的最大化实现。

The BRM Bicycle Race verification number NFT system has been proven to be feasible by centralized operating offline . Once operating on the chain, it will further stimulate its maximum value.

要解决的问题 Problems：

比赛自行车号码牌的拍卖、流转，确权问题。

The auction, circulation, and ownership confirmation of the race bicycle verification number.

项目技术设计 Technical Design：

1. 设置全国层面的 10 万个号码牌，从 00000 到 99999，每一个号码牌对应一个单独的 NFT。
2. 后端建立一套 NFT 系统，可以实现给每一位波卡钱包里发送 NFT。

3. 每一个号码牌都设置好不同的建议基础价格，比如每个号码牌基础价 50 元，三连号基础价 500 元。

4. 用户通过麦客表单登记自己心仪的号码牌与波卡钱包地址，并提交自己的竞拍价格，且支付（竞拍价 50 元起，每次加价 50，如果要拍三连号，就拍 10 单，以此类推）。

5. 如果某一号码牌只有一位是用户竞拍，则直接把这个 NFT 发给此用户，如果多位用户竞拍，则以最高价者得，其余退款。所有竞拍价格都会之后公开。

6. 支付成功的用户，手动把相应号码牌 NFT 发到用户波卡钱包里。

以上 3 到 6 条，完全通过中心化的表单系统来实现，无需任何代码开发。只需要后端开发一个给钱包发送 token 的功能。

1. Set up 100,000 verification number at the national level, from 00000 to 99999, each verification number corresponds to a separate NFT.

2. Establish a set of NFT system at the back-end, which can send NFT to every Polkadot wallet.

3. A different recommended basic price is set for each verification number, for example, the basic price of each verification number is 50 yuan, and the basic price of three consecutive numbers is 500 yuan.

4. The user registers his favorite verification number and Polkadot wallet address through the Mikecrm form, submits his bid price, and pays it (the bid price starts at 50 yuan, and the price increases by 50 each time. If you want to bid three consecutive numbers, bid 10 orders, and so on).

5. If there is only one user bidding for a certain verification number, the NFT will be sent directly to this user. If multiple users bid, the highest price will be awarded, and the rest will be refunded. All transaction prices will be made transparent later.

6. For the users who have successfully paid, the BRM NFT will manually send the

corresponding verification number NFT to the user's Polkadot wallet.

The above 3 to 6 items are completely implemented through a centralized form system without any code development. It only need to develop a back-end function to send tokens to the wallet.

项目现在做到的程度 **The development level now:**

已经发布项目白皮书，并且以中心化方式进行过实际运营。

The project white paper has been released, and actual operating in a centralized manner.

项目遇到的技术难点及解决方案

开发进度缓慢。

解决方案的话，关键在于设置好利益分配方案，激发团队成员的动力。

- The development progress is slow.
- The key to solution is to set up the benefit distribution plan to stimulate the motivation of team members.

项目长远规划 **Long-term planning:**

未来 6 个月的商业规划 **Business plan for the next 6 months:**

推出号码牌 NFT 系统并落地推广。

To promote the verification number NFT system and push forward the implementation of projects.

市场定位及调研 Market positioning and research：

全国 300 多个地级以上城市陆续开通 BRM 认证之后，BRM NFT 号码牌的价值将会得到极大的拓展。

After more than 300 prefecture-level and above cities around the country have successively opened BRM certification, the value of BRM NFT number plates will be greatly expanded.

现在拥有的资源及项目运营到什么程度 Current resources and operated level now：

现已经在 23 个城市开通 BRM 认证 NFT 系统，成绩登记系统都在规划开发中。

The BRM certification NFT system has been opened in 23 cities, and the score registration system is under planning and development.