MINER’S HEALTH SHIELD

Do you know how important the mining industry is?

There are nearly **250 companies** related to mining exploration or refinery in **Canada.**

(Canadian Centre for Occupational Health and Safety, 2022)

The Labour Program of Canada has worked hand in hand with the mining sector to reduce injuries, illnesses, and deaths by rigorous enforcement of the law and providing technological support to this industry.

As time goes by, **miners see their health deteriorating year after year,** Acquiring different diseases and chronic pathologies, regarding the risk exposure for being to gasses and their physical deterioration.

INTRO

The challenge for companies on the industry, is to assure the safety and general health for their employees, not just for their own production effectiveness, also for the well being of the people.

The main challenge faced by companies in this sector is to safeguard the working conditions for their workers, always ensuring their well-being and creating an environment of commitment and safety within the facilities.

A DAY IN THE LIFE OF A MINER

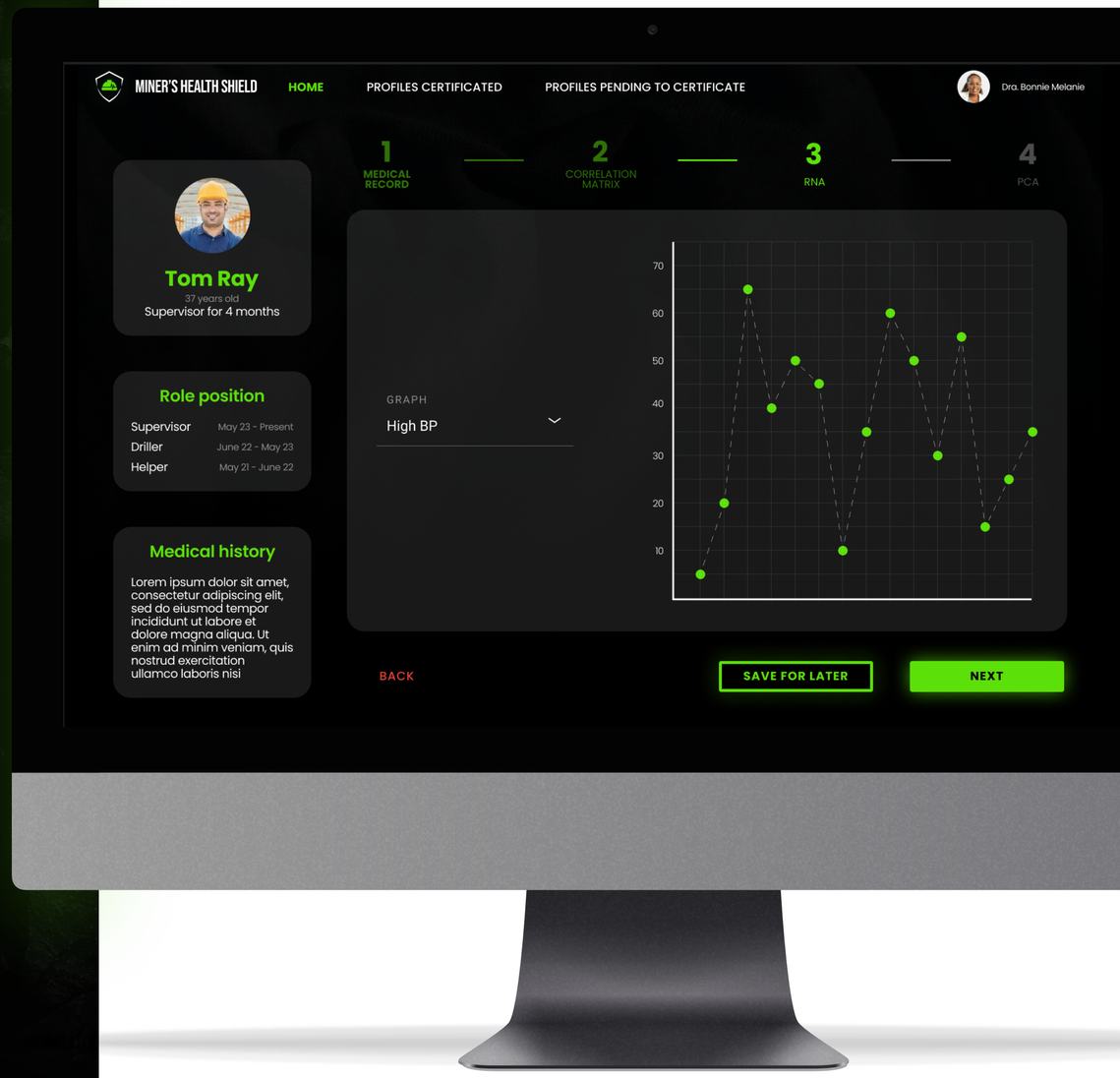
INTRO

Can health and safety be guaranteed through a mobile app?

The answer is yes.

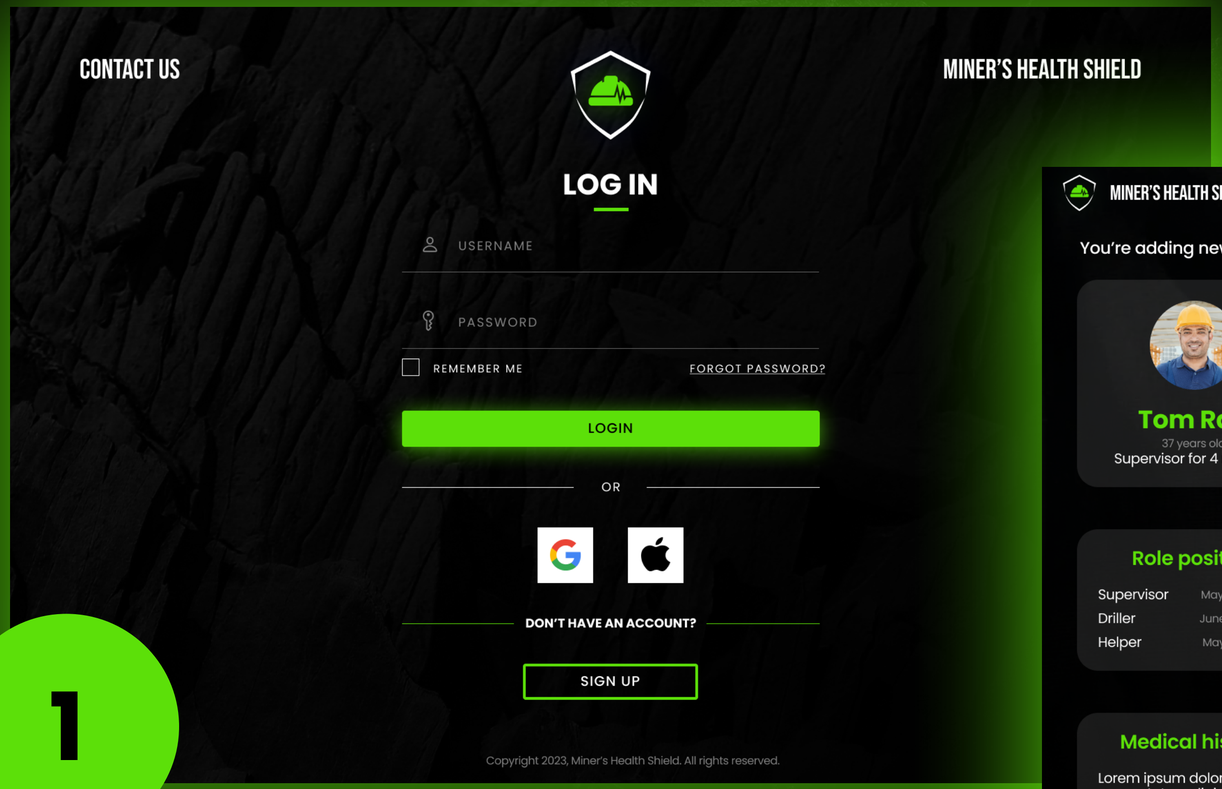
Miner's Health Shield is an application whose primary objective is to ensure that workers in the mining industry have accurate information about their health and the time they should be exposed to the extreme working conditions that the sector entails.

Through machine learning models, we guarantee the productivity time of each worker based on their most recent medical history.



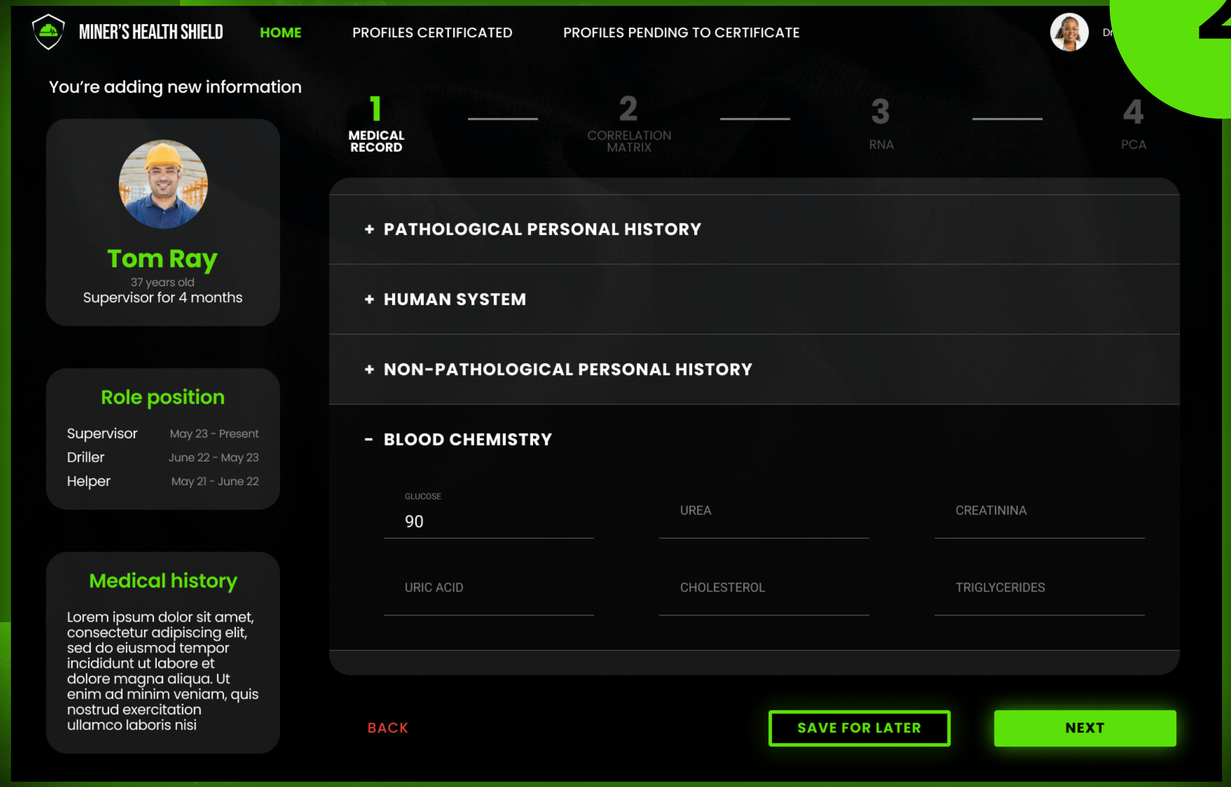
WORKFLOW

1. User logs in



1

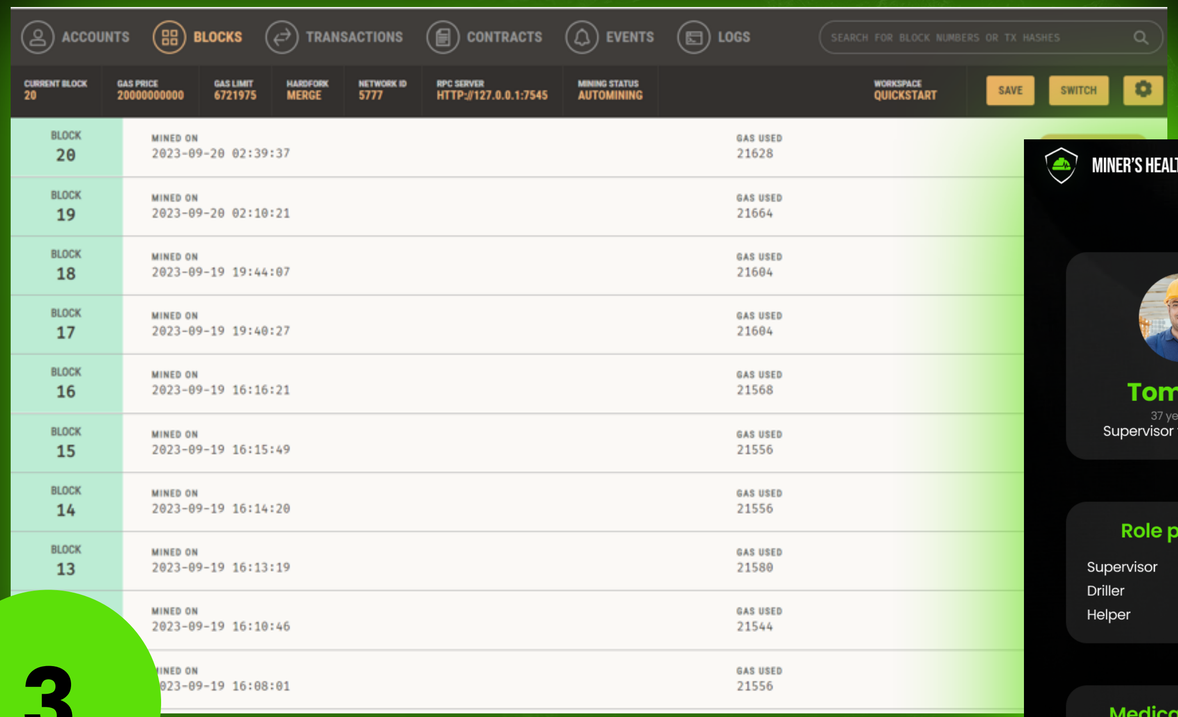
2. User enters medical info



2

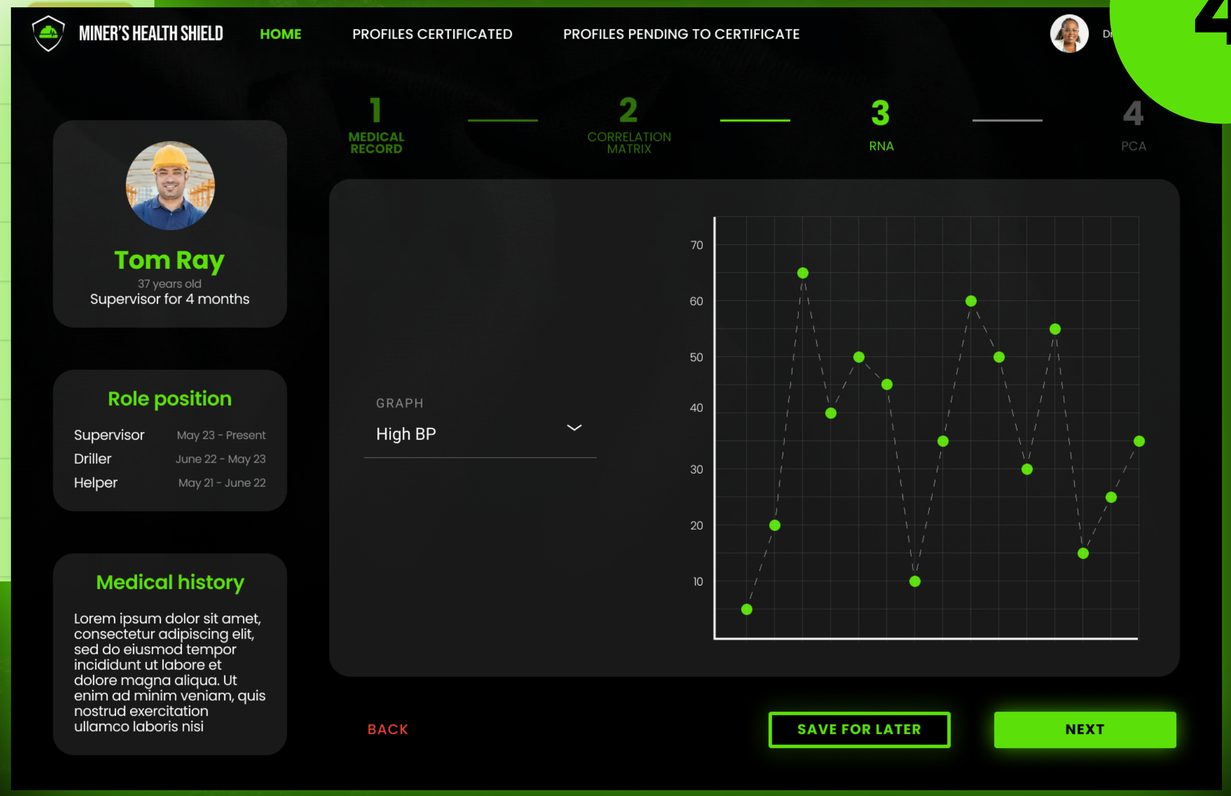
WORKFLOW

3. The model is put into action



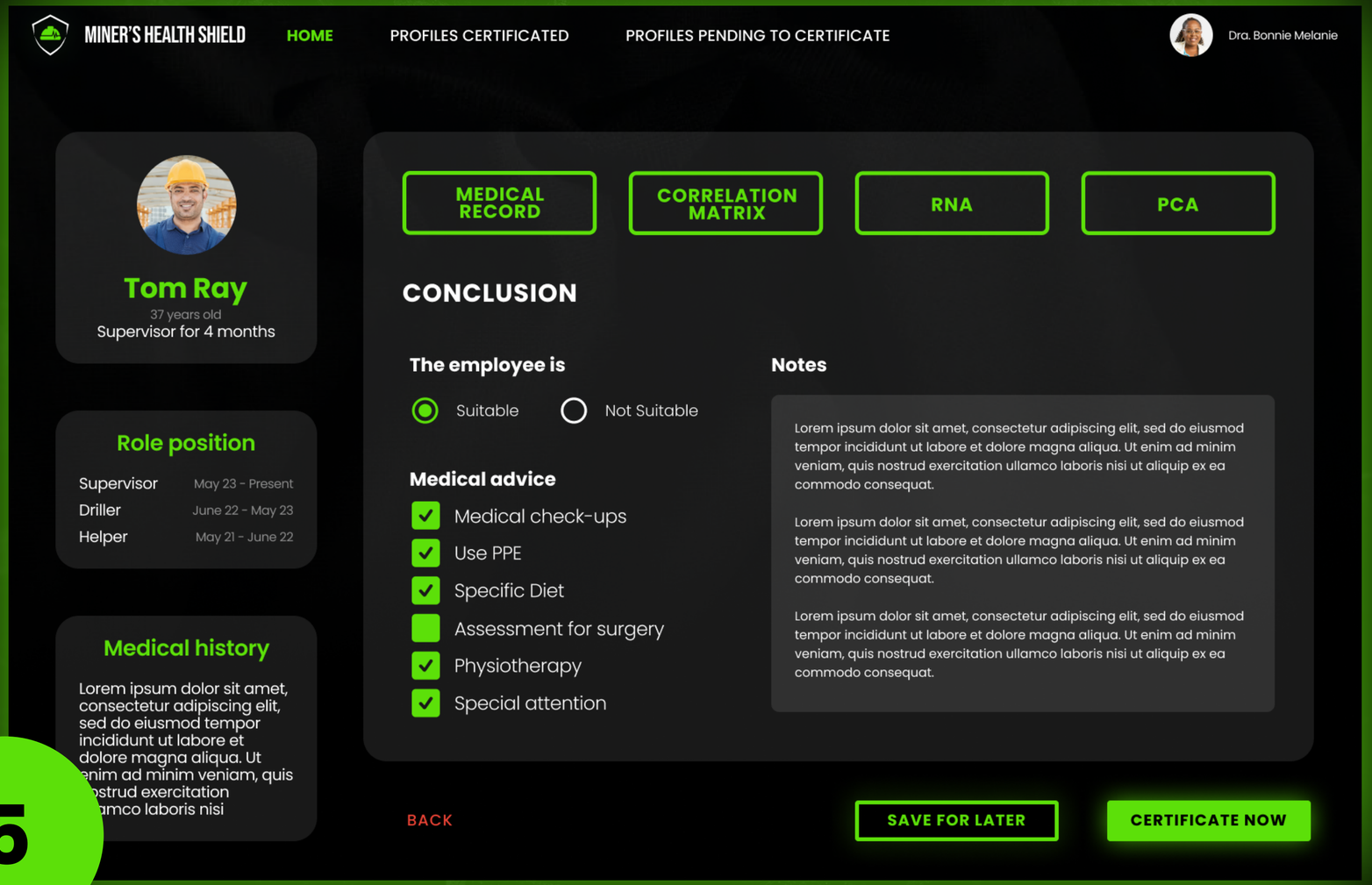
3

4. MHS displays the prediction



4

5. The user certifies (blockchain) the assessment



5

MINING COMPANY

Savings in personnel rotation

Personnel productivity

Recognition as a responsible company

Life Insurance savings

MINE EMPLOYEE

Job Stability

Life Quality

Employment value in the industry

TEAM

- AI developer
- Data analyst
- Front end
- Back end
- Designer
- PM

BUSINESS MODEL

The risks and diseases to be listed will be categorized, the better the prediction required, the more will be added according to the payment plan:

X% of prediction +
number of diseases listed = $$

MINER'S HEALTH SHIELD

START

- Idea

CURRENT PHASE

- Smart Contracts *(Medical Record)*
- Data Analysis
- Prediction
- Certificate

NEXT STEPS

- Project Implementation

DEAL CLOSED

After these 3 days of development and as you could see in the presentation, not only did we create an idea, but we created a **fully functional project** that already has a **client waiting for its implementation to invest**, which shows us that **Miner's Health Shield is a real and applicable tool.**

MINER'S HEALTH SHIELD

THANK YOU