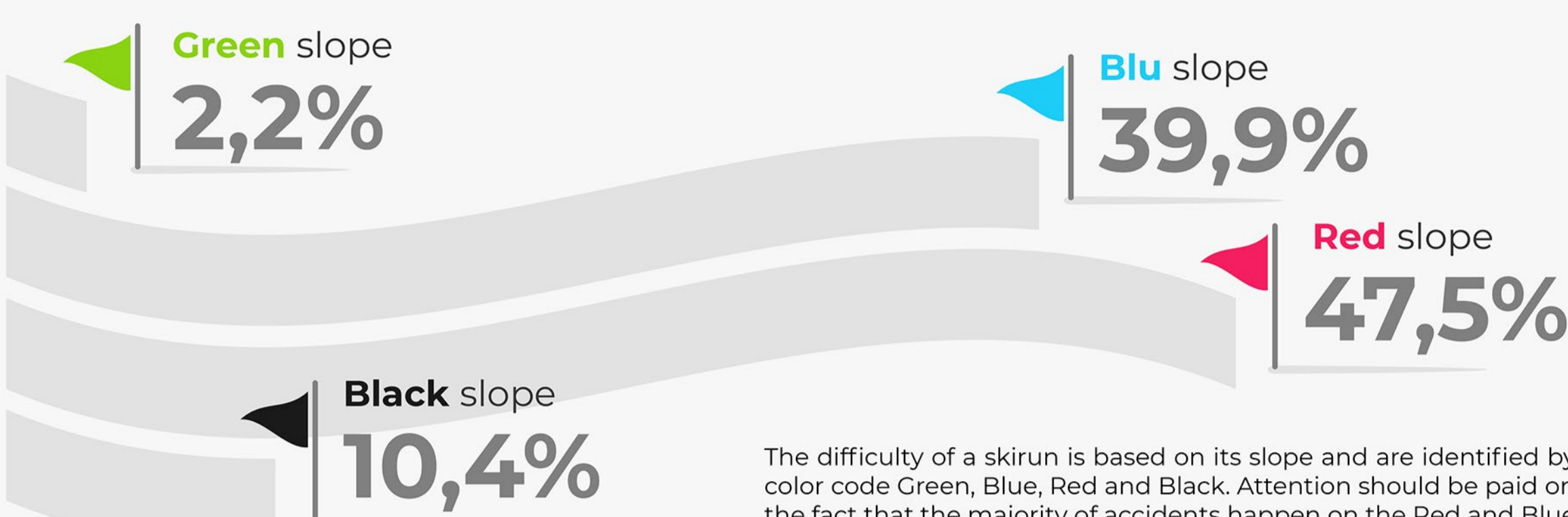
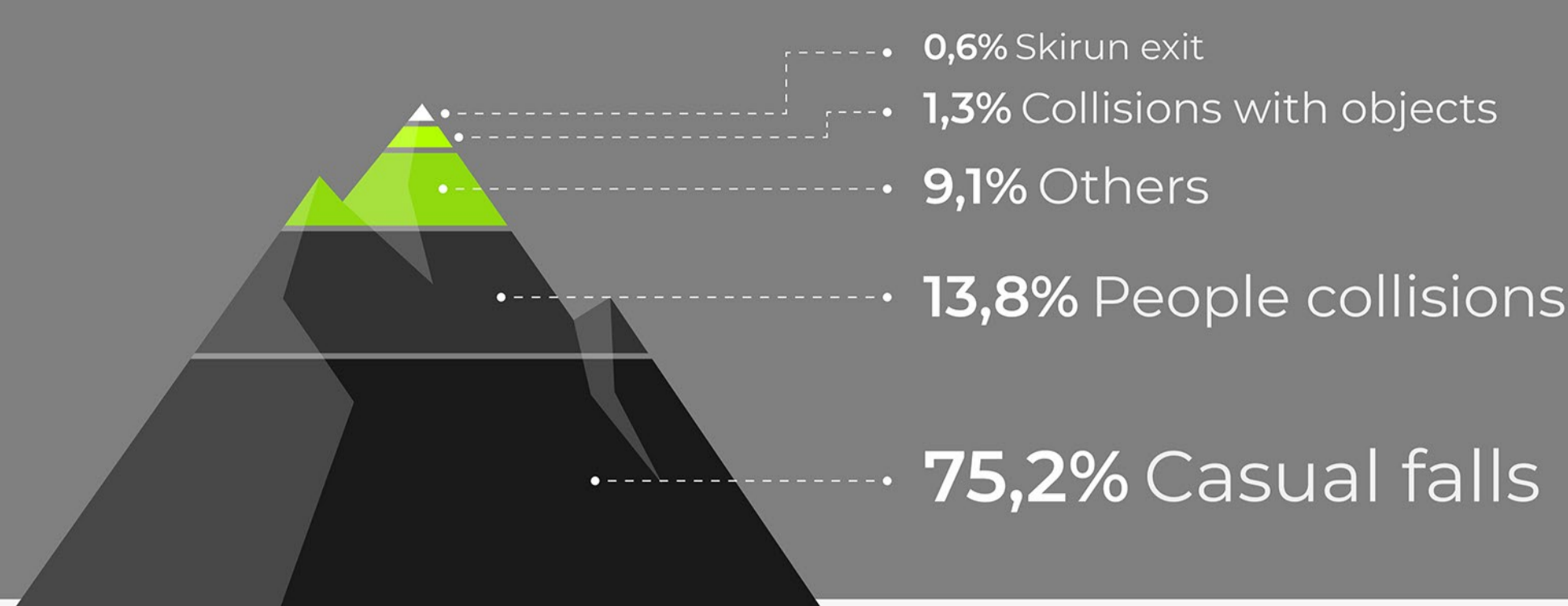


The data from National Mountain Accident Surveillance System (SIMON), coordinated by National Health Institute, every year there are over 30,000 accidents on skiruns, 1700 of lead to hospitalization.

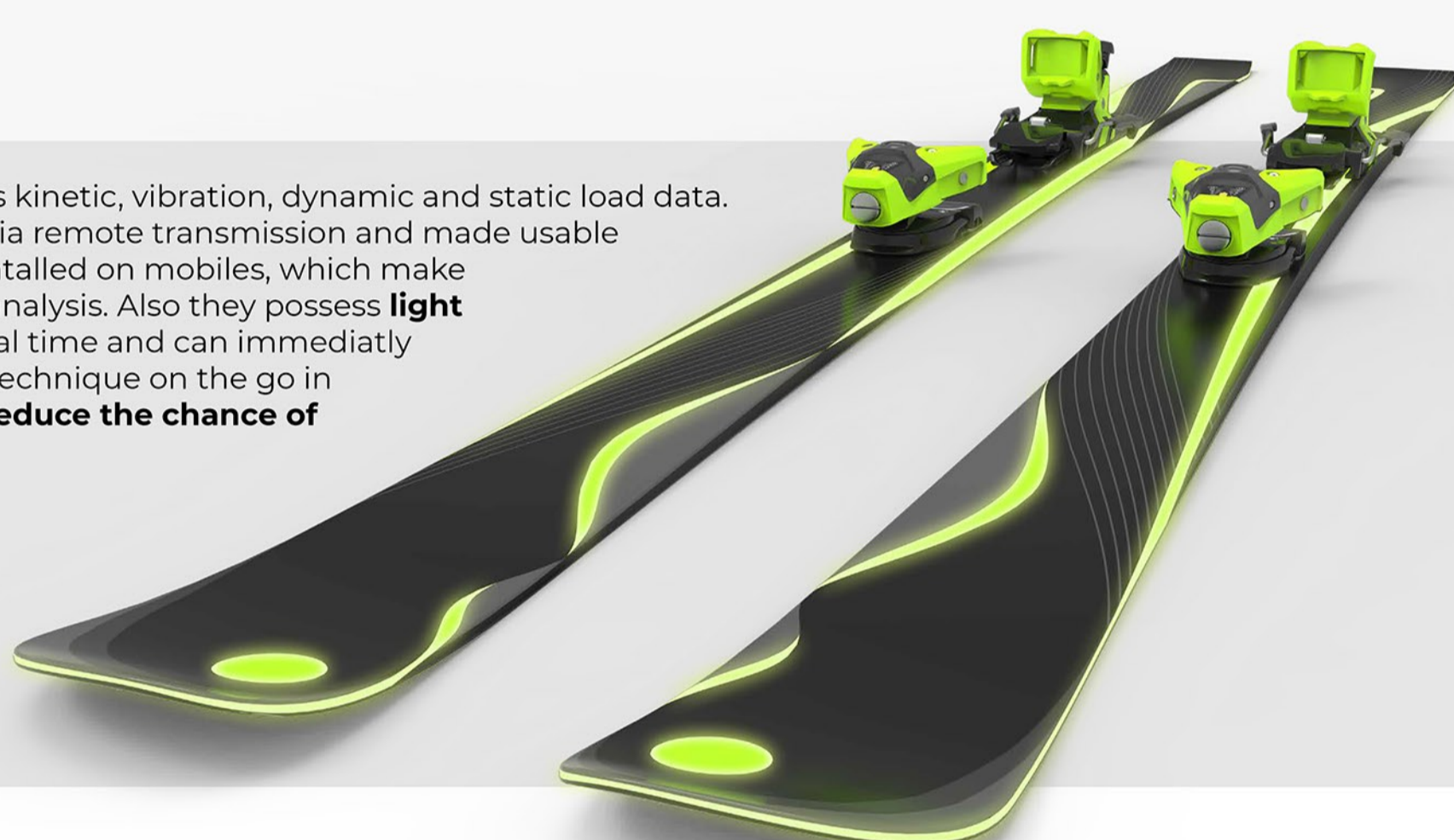


The difficulty of a skirun is based on its slope and are identified by color code Green, Blue, Red and Black. Attention should be paid on the fact that the majority of accidents happen on the Red and Blue skiruns (47.5%), which correspond to a medium and low difficulty level. On higher levels accidents happen to a lower amount of sportsman (10.4%). On link skiruns, school camps and snowparks incidence is 2.2%.

Most of the ski accidents happen due to casual falls and depend on wrong posture and poor skiing technique.

SOLUTION

Gliss is a revolutionary ski that records kinetic, vibration, dynamic and static load data. Those signals data are stocked, sent via remote transmission and made usable through dedicated APP that can be installed on mobiles, which make possible a subsequent performance analysis. Also they possess **light indicators** that analyze the data in real time and can immediately help the user to correct posture and technique on the go in order to improve performances and **reduce the chance of accident**.



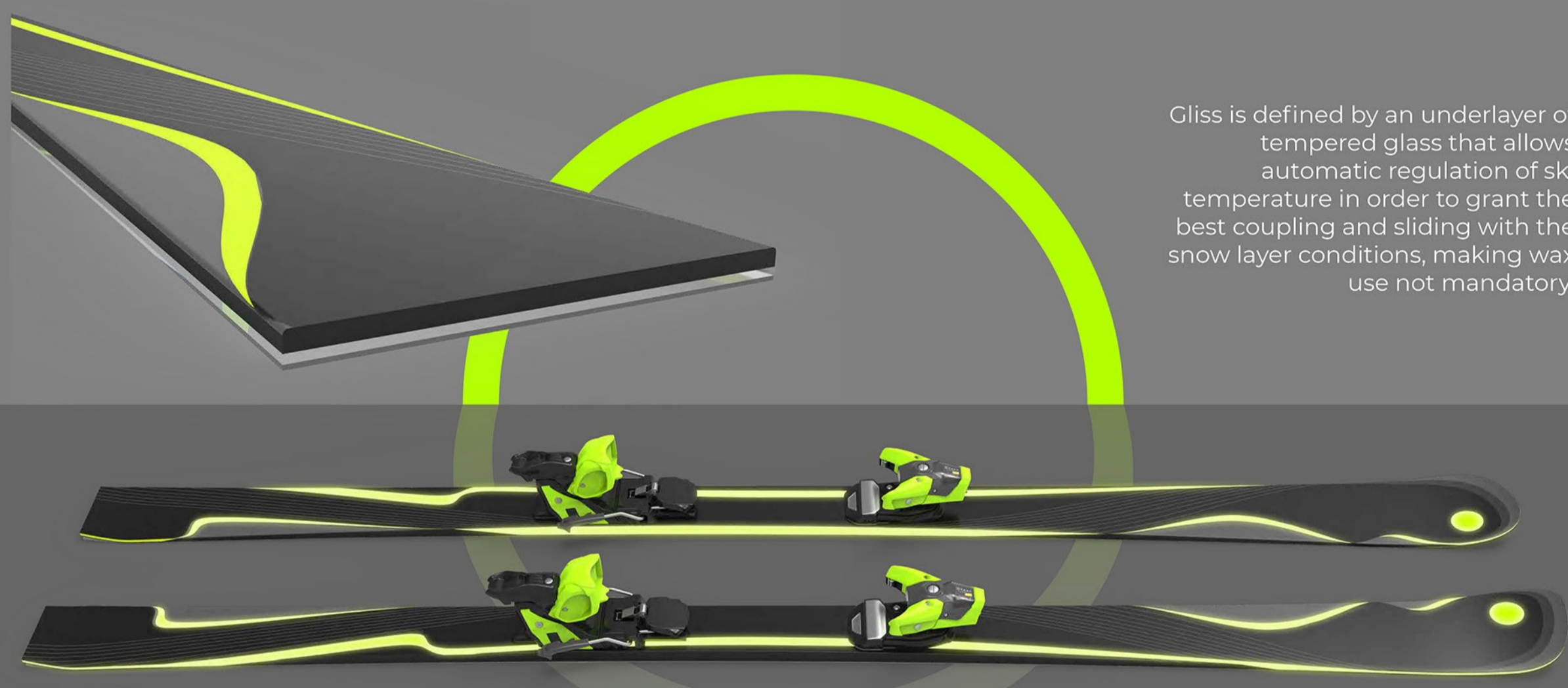
BACKWARD POSITIONING



EXTERNAL SKI NO LOAD



CORRECT POSITIONING



Gliss is defined by an underlayer of tempered glass that allows automatic regulation of ski temperature in order to grant the best coupling and sliding with the snow layer conditions, making wax use not mandatory.

COMPOSITION

HARDWARE

Inertial platforms (IMU) 9 axes, LEDstrip, managing, analysis and forwarding data control unit, selfheating tempered glass.



SOFTWARE

Analysis, confrontation of kinetic data and LED managing software. Stat visualization and management of visual signals APP. Mobile platform for storage and data view B2C.



TECHNOLOGY

HARDWARE

Standard electronics and mobile derivation control unit. LED: RGB-W

SOFTWARE

Non supervised Machine Learning algorithms to analyze data. Asynchronous key encryption for data transmission. Blockchain protocol between assets.

INTELLECTUAL PROTECTION

1 level of protection deposited (02/2020)

STATE OF ART

Hardware

Laboratory prototype; new in production

Softwar

Neural classification demo

Web platform: to be developpe

App: to be developpe

REFERENCE MARKET

B2C

Appeal

