



KEEP YOUR EMPLOYEES CLOSE

Adminstrate your business and employees
with the best in security technology.



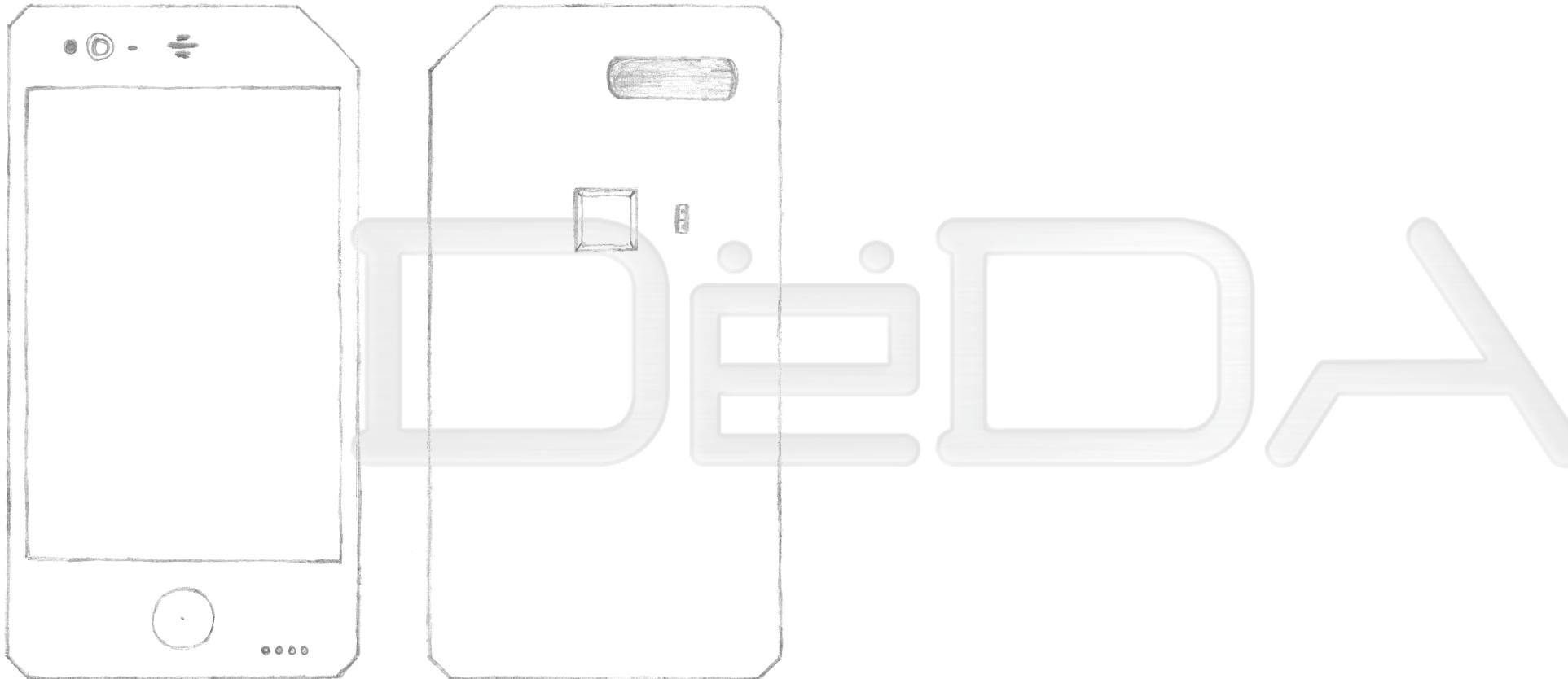
DëDA is the new time clock device for your business. It is a light weight device, but don't let that fool you, it is very durable, made for the tough workers.



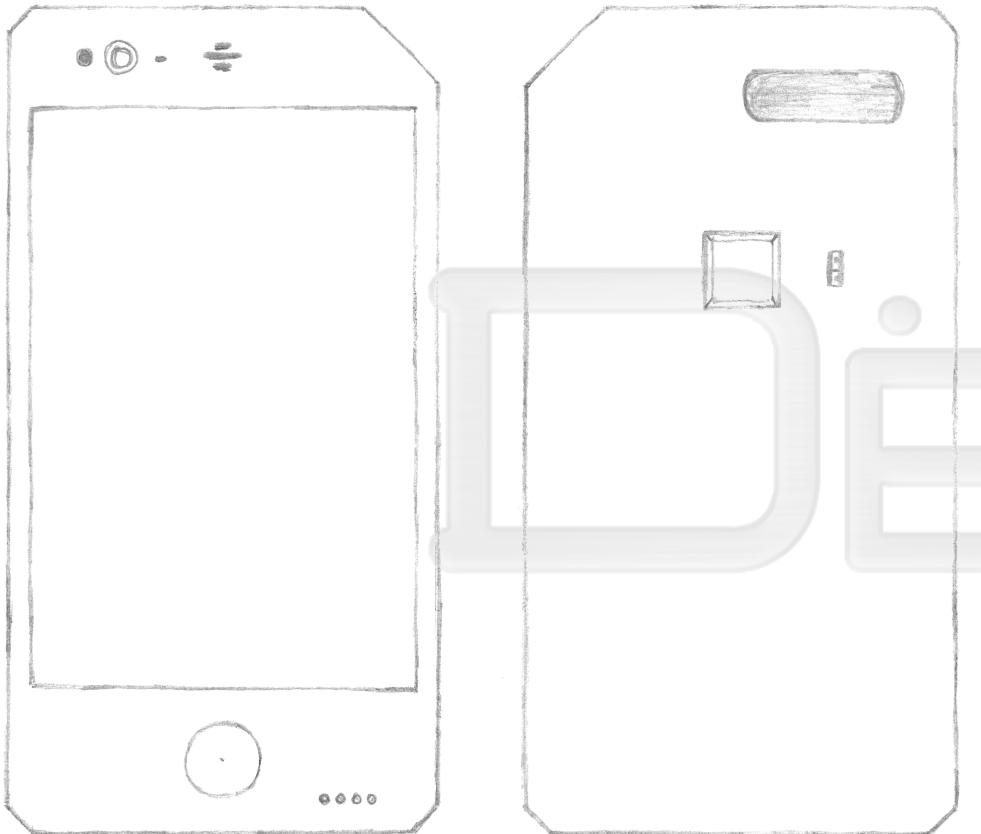
We designed DëDA to be high tech and affordable for all working business.

DëDA secures your business using biometrics sensor. This device uses an all-in-one optical fingerprint sensor that will make adding fingerprint detection and verification super simple. These modules are typically used in safes - there's a high powered DSP chip that does the image rendering, calculation, feature-finding and searching.

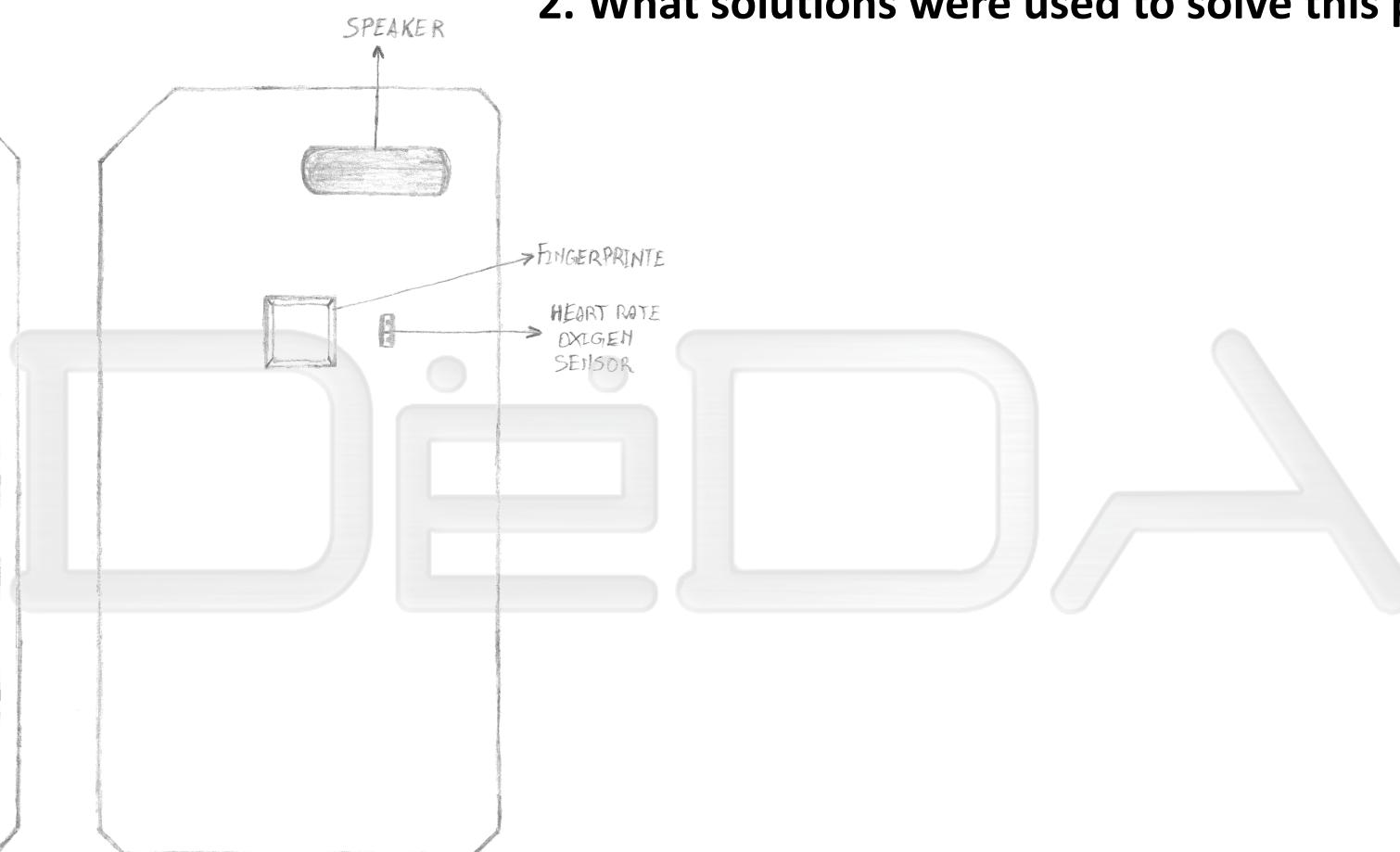
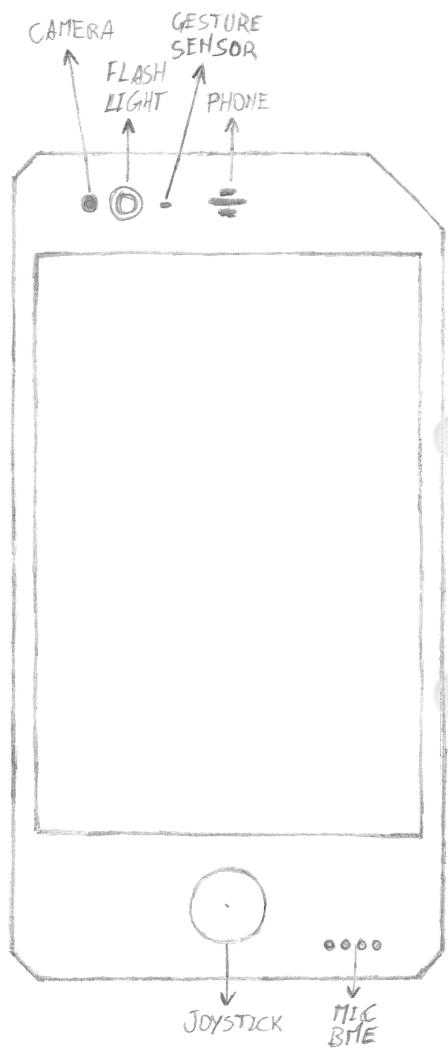
1. Briefly describe the problem that you were trying to solve?



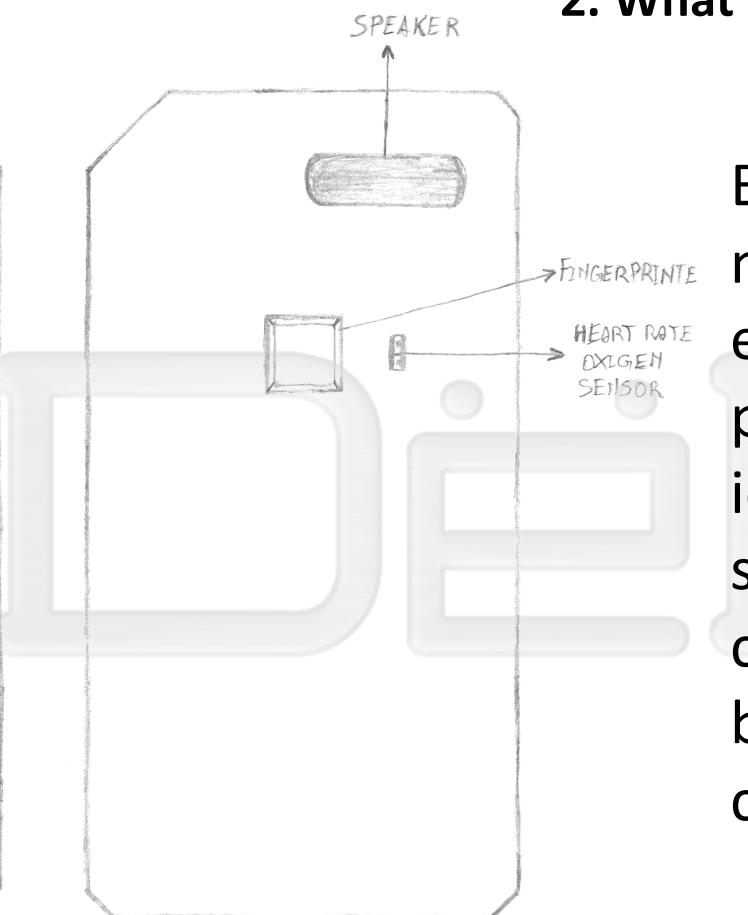
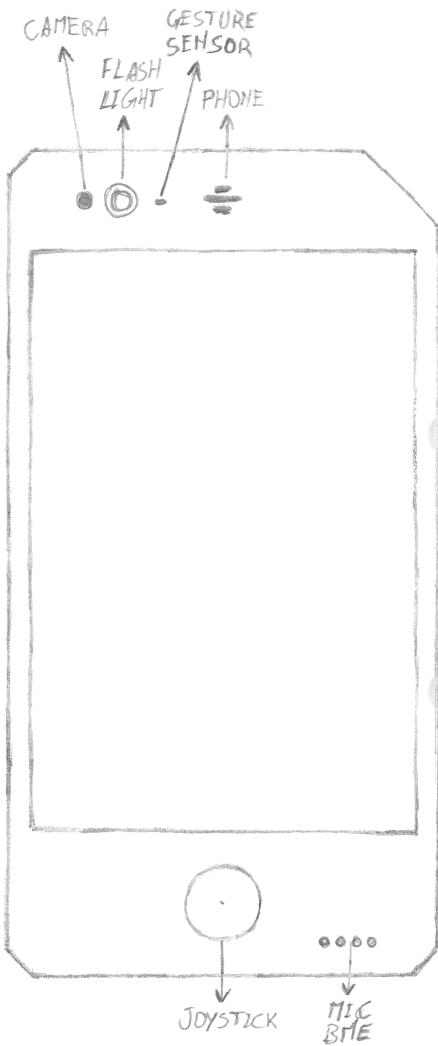
1. Briefly describe the problem that you were trying to solve?



The general nature of our problem is costly. We discovered that businesses were having a high cost of their employee but weren't seeing any return on the job. One example is, employees having extended lunch break with no permission, taking care of personal errands during work time, spending excessive time on phone leading to jobs left unfinished, lack of attention to details having to spend more time and money to redo or fix the problems. We discovered that there were even employees that said they were at work but weren't. Another problem was miss calculation of hours paid, sometimes employees would get paid extra or have missing hours from their paycheck.



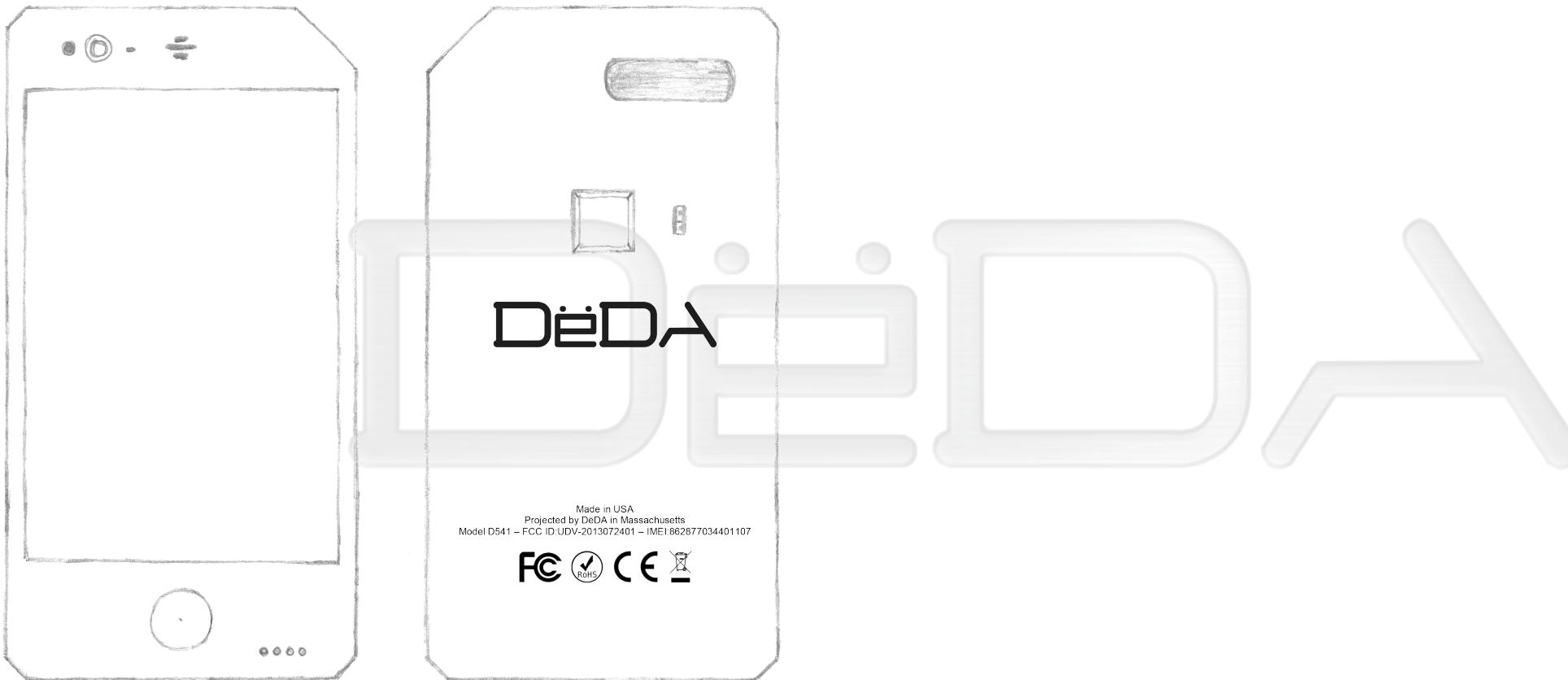
2. What solutions were used to solve this problem in the past?



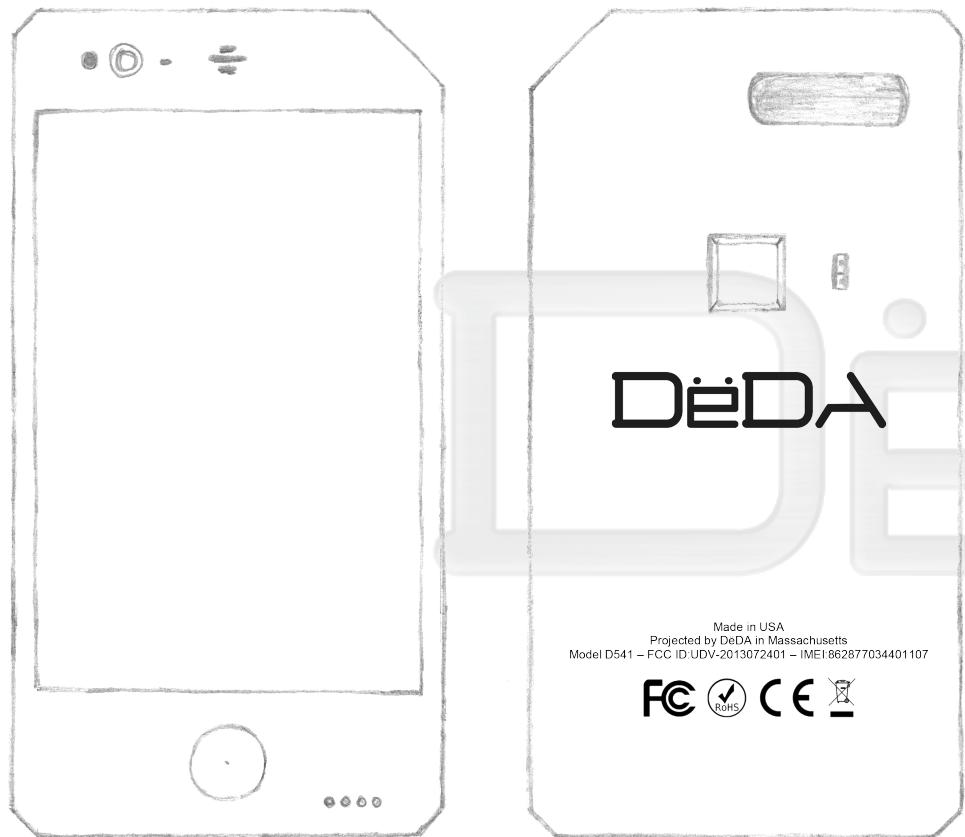
2. What solutions were used to solve this problem in the past?

Businesses have been using the “time clock” method to calculate the hours of the employee. This is done by the employee punching a number that has been given to identify him, when starting and finishing a shift. At the end of the week his hours are calculated and a payment is made. Some business use a physical “time clock”, computer software or an “APP”.

3. What was it about each of these solutions that failed to solve this problem?

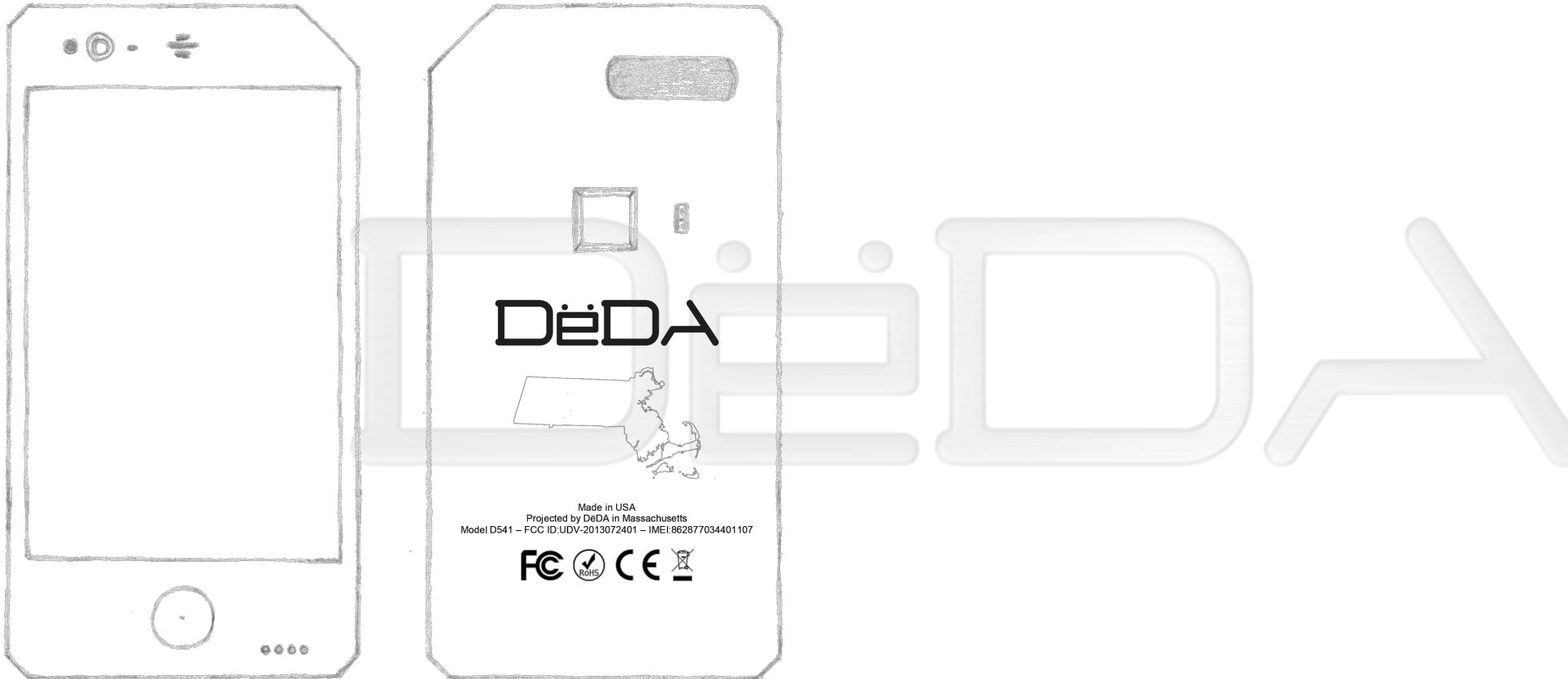


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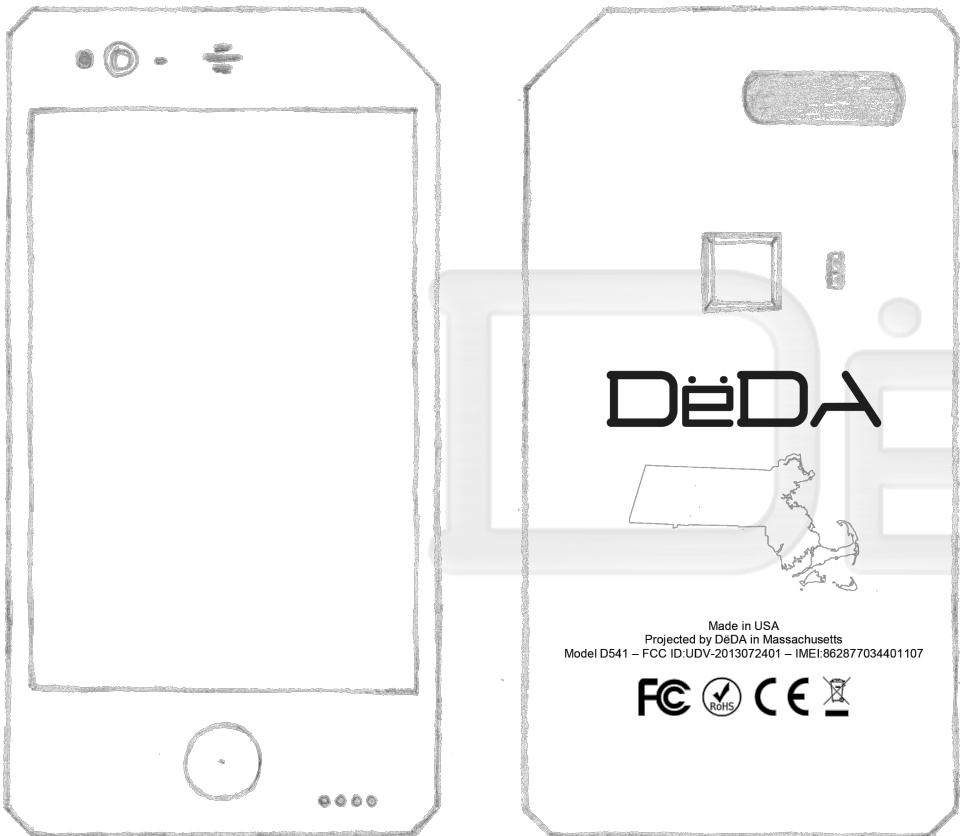


Some of these “time clocks” aren’t portable, one is used for all employees. Some identity issues were discovered using these devices, there is no actual control if the person using the time clock is that person. There is no full control over the employee since he/she can punch in and out when they want. One example, the employee can clock in but leave the work area and come back to clock out or have a co-worker do that task for them. For business that use time clock on phone (APP) employees are left very comfortable not having an employer watching them, resulting in not clocking out for lunch breaks, leaving work before shift ends or even leaving the job undone.

4. Describe your solution.

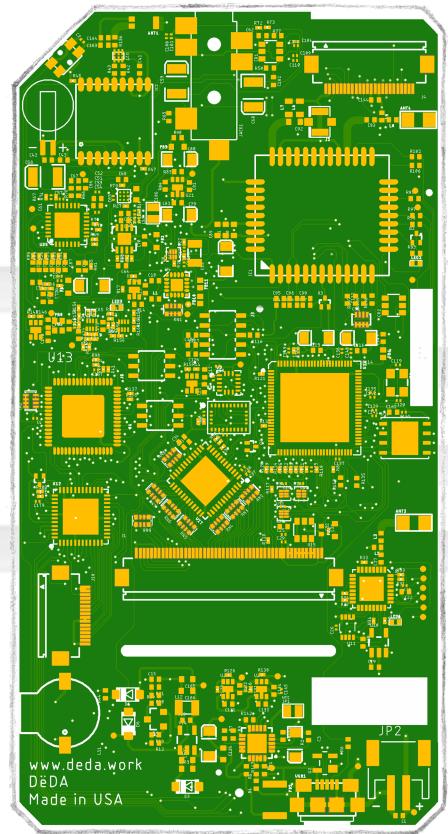
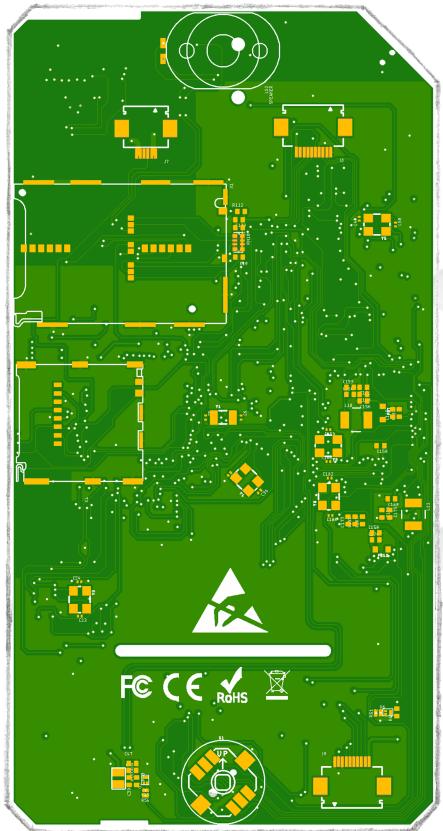


4. Describe your solution.

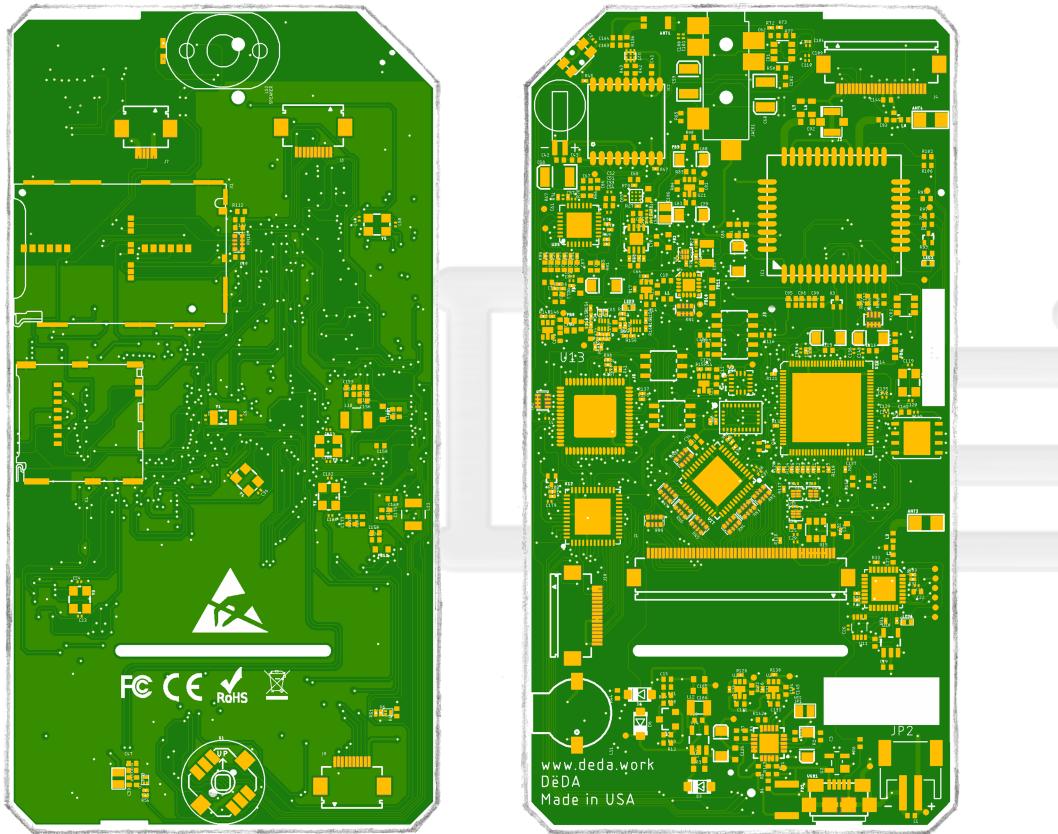


Our solution is an individual time clock given to each employee to carry on them. This portable time clock carries face identification, IRIS, and fingerprint. The employee is required to follow the security steps when clocking in and out to certify his/her identification. The GPS on this device is used to locate and identify the exact location of where the employee clocked in or out.

5. Describe the functional and structural differences between your solution and the prior solutions.

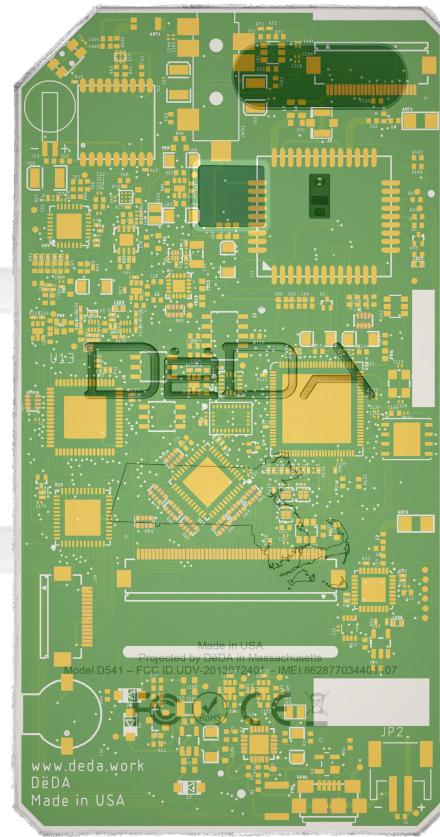


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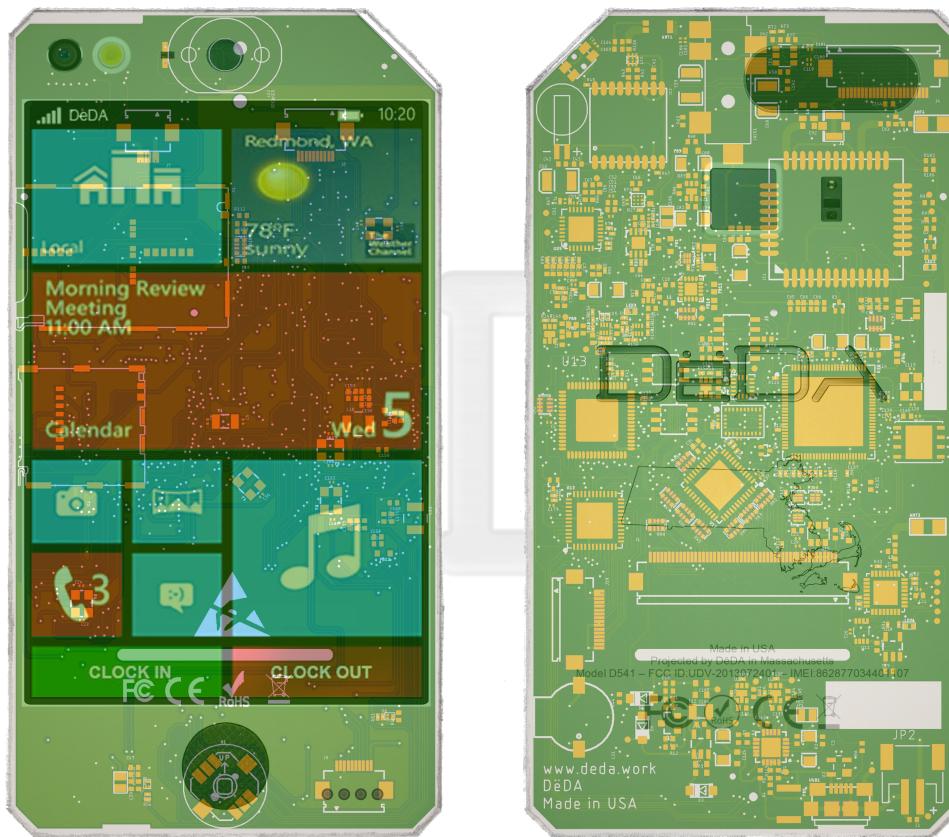


As mentioned before this product has GPS used to give precise location of the employee. This device is made to be located on the employees' waist. With MEMS built inside, the employer will be notified if the employee leaves the work area, or if an accident has occurred. The employers will know this by receiving notifications of the employees' movements, if he or she hasn't moved for a certain amount of time.

6. Describe all of the reasons why your solution would NOT be obvious to another inventor working on the same problem at the same time.



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Our research started in a service provider business, where we realized that we had a big problem with the old method of time clock. We were losing a lot in profits, high staff costs, low staff income, and unfinished jobs resulting in the loss of some projects. With these problems, we looked for some solutions offered in the market but none satisfied us, we wanted something more personalized, geared to our needs. With a lot of analysis and research, we created DëDA. DëDA was created for companies/employers to keep close track of their employees, costs and work time and productivity. The employers will feel more comfortable knowing that leaving DëDA with the employees, they can monitor them at a distance because DëDA will send from time to time the productivity of each one.

7. Describe all of the results achieved by your solution.



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When we implement DëDA in the company that we used as object of study, we obtain the following results:

- Increase in workers' productivity;
- Decrease in delays by workers;
- Projects delivered on time;
- Decrease in wage/hour calculation errors;
- Save money;
- Workers did not leave work area until job was finished.

8. Describe all of the advantages of your solution over the prior solutions.



A large, semi-transparent, stylized logo for 'DeDA' is centered in the background. The letters are formed by a series of thick, light-colored lines, giving them a 3D, blocky appearance. The 'i' is a vertical line, the 'D' is a large rectangle with a horizontal line through it, and the 'A' is a tall, thin rectangle with a diagonal line through it.

8. Describe all of the advantages of your solution over the prior solutions.



The advantage of using DëDA over other prior products is that DëDA is an innovation, thought carefully using technology in favor of the employers. With DëDA, employers will have more control over their spending, productivity of their employees, more security in identifying each employee, using GPS it indicates the location where the worker is performing a job, giving the employer the security that the worker is in the work environment and that he remained there during the working hours. We created DëDA also with the employee in mind, turning the work environment into a more relax one we added, FM/AM radio, MP3, Bluetooth, Wi-Fi, Weather notification, emergency call options, employer direct calls and SMS messages. For their security DëDA also monitors the quality of the air where the employee is working, indicates the level of gases for example carbon monoxide, ethane, isoprene, ethanol and acetone (Alcohol Breath Analyzer). In case of fall or accident DëDA uses man down alert that indicates and notifies the employer. Pulse oximeter and heart-rate sensor is also built in DëDA for easy access in case of an emergency.

Features



CAMERA:

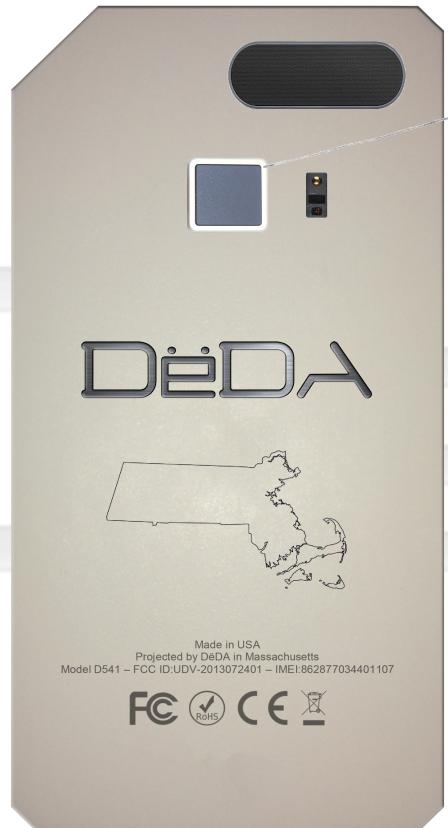
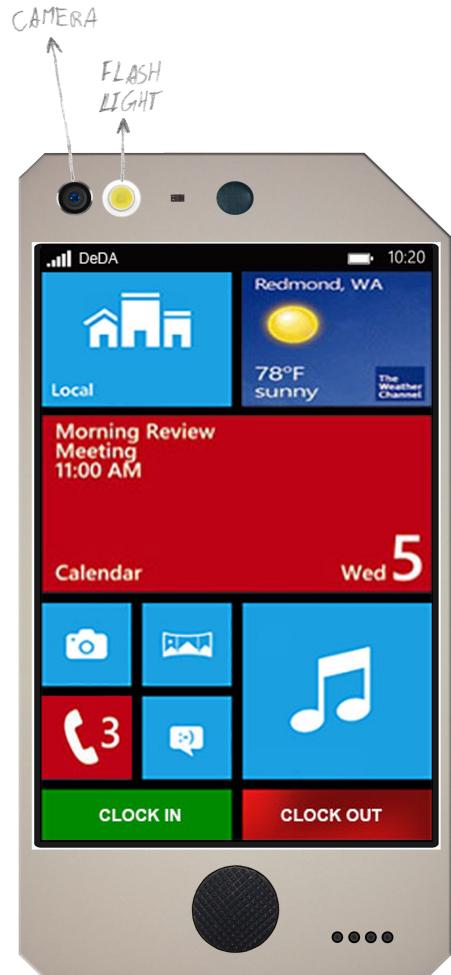
Face recognition;

Iris Recognition;

Photo and video capture.*

* Privacy, with just a gesture you can turn the camera on/off.

Features

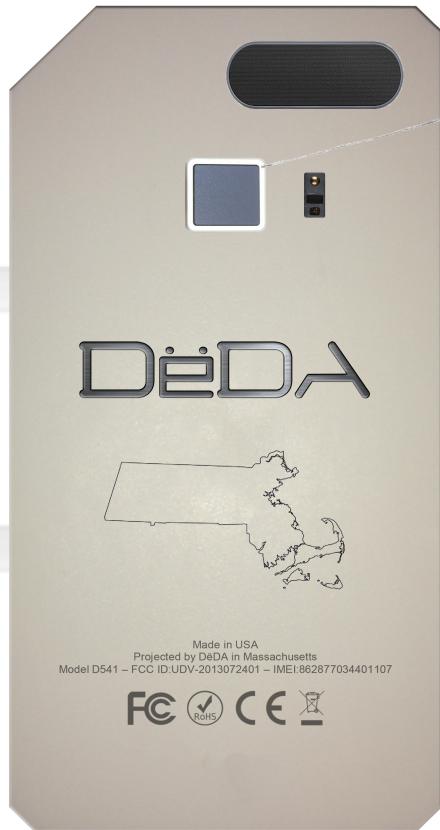


FINGERPRINTE:

Capacitive touch fingerprint sensor;

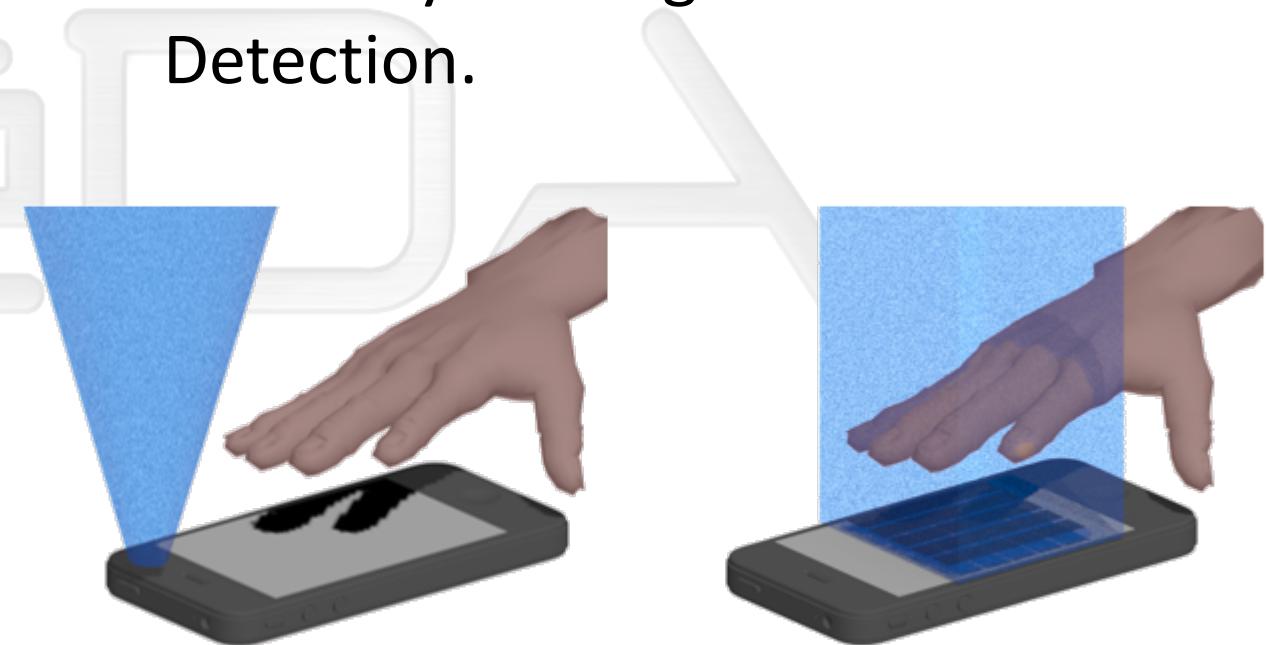
508 dpi resolution;

Features

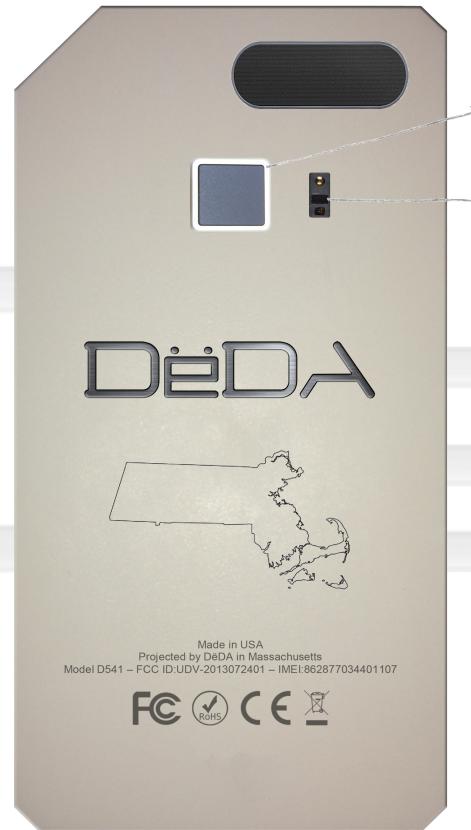
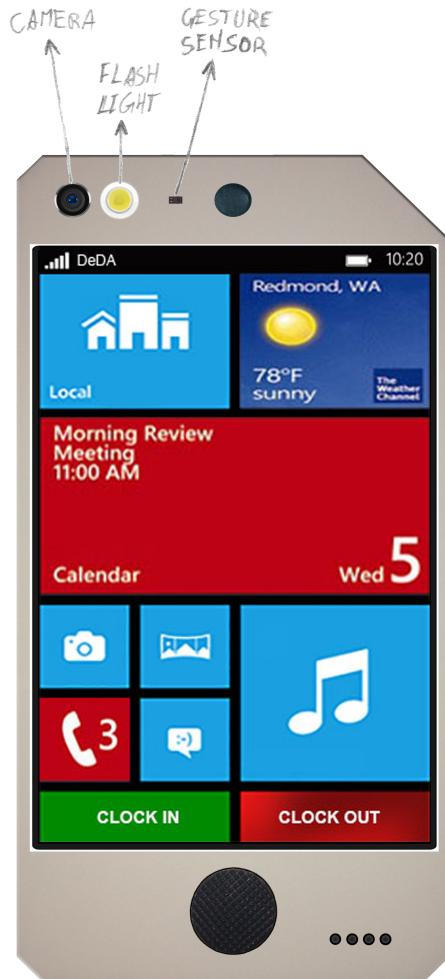


GESTURE SENSOR:

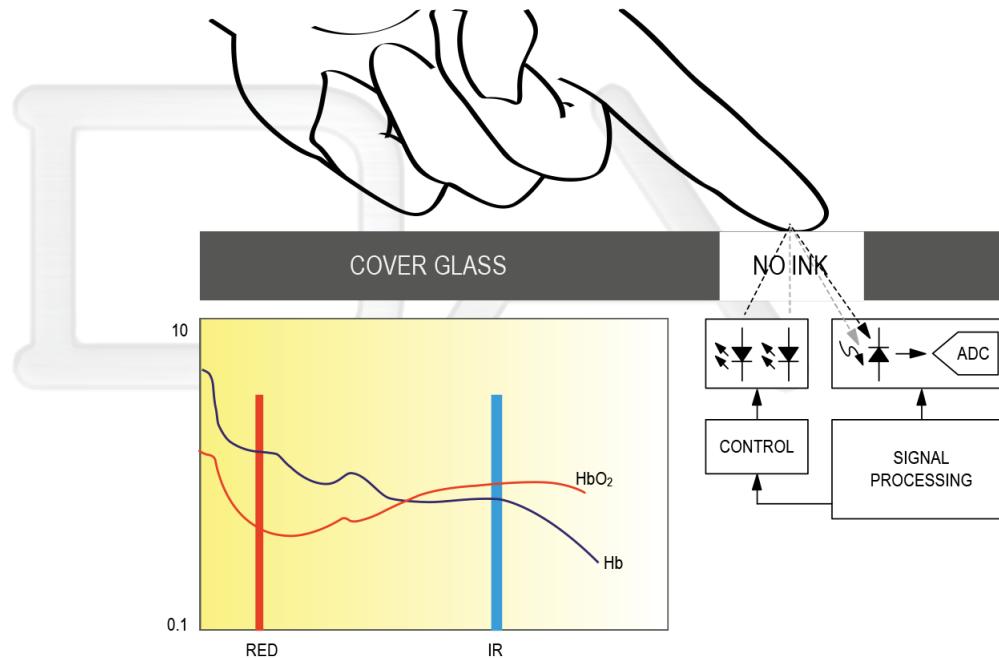
Ambient Light and RGB Color Sensing,
Proximity Sensing and Gesture
Detection.



Features



Pulse oximeter and Heart-Rate Sensor:



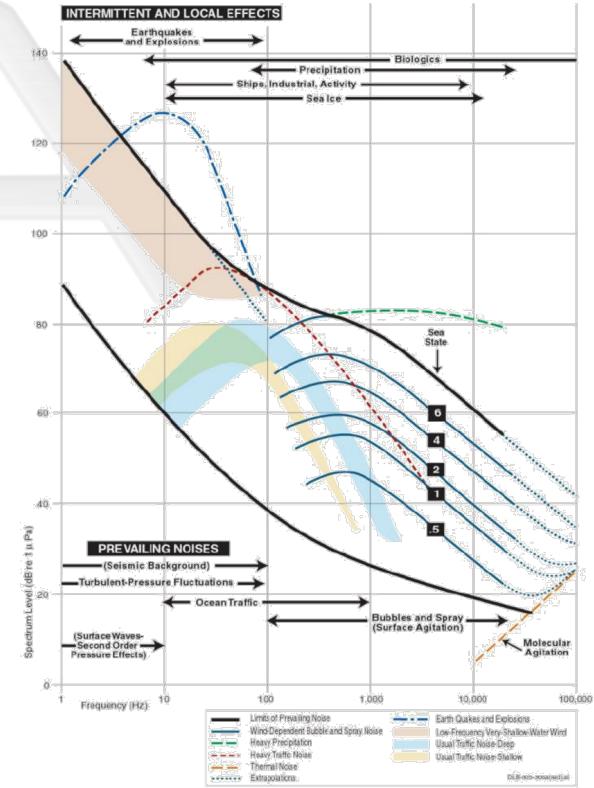
Features



MICROPHONE:

Voice recording;

Noise identification level;



Features



GAS SENSOR:

Alcohol breath analyzer; Air quality

IAQ Index	Air Quality
0 – 50	good ¹⁰
51 – 100	average
101 – 150	little bad
151 – 200	bad
201 – 300	worse ²
301 – 500	very bad

Molar fraction	Compound	Production tolerance	Certified accuracy
5 ppm	Ethane	20 %	5 %
10 ppm	Isoprene /2-methyl-1,3 Butadiene	20 %	5 %
10 ppm	Ethanol	20 %	5 %
50 ppm	Acetone	20 %	5 %
15 ppm	Carbon Monoxide	10 %	2 %

Features



SPEAKER:

Speakerphone;

FM/AM Radio;

MP3 Player.

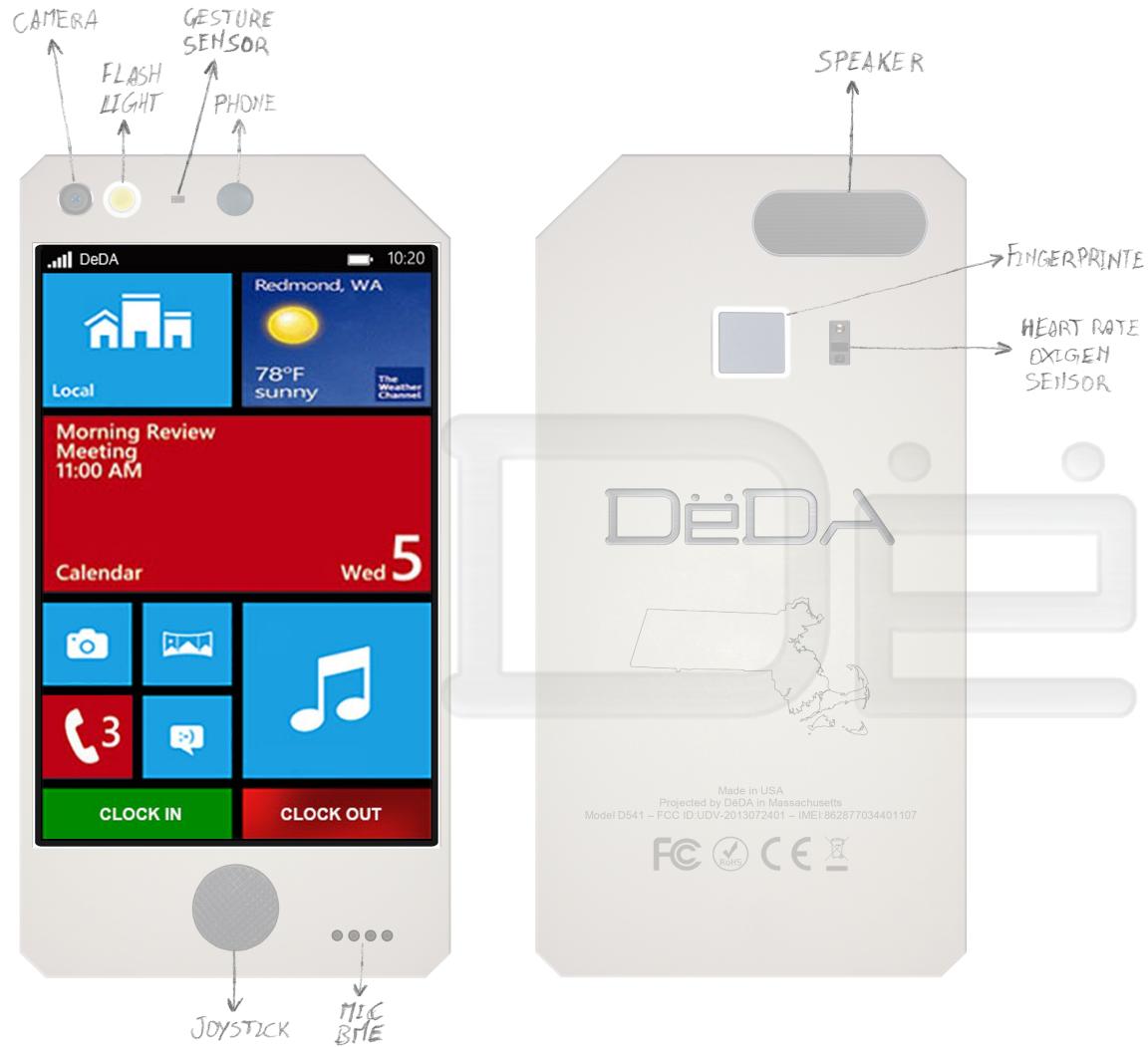
Features



JOYSTICK:

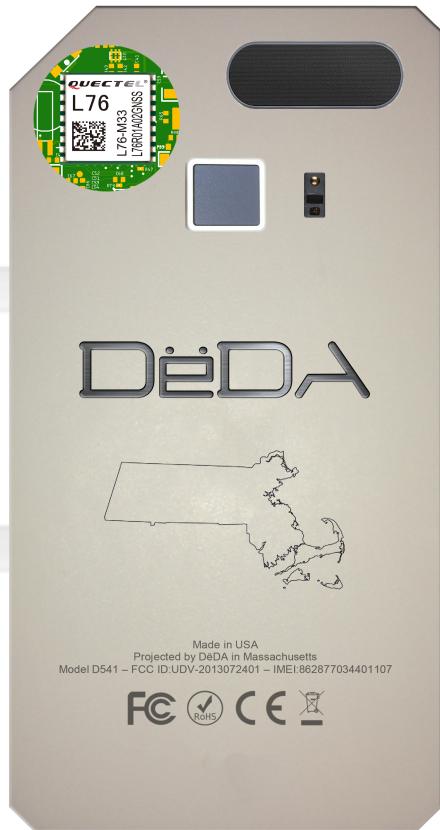
For easy access to DëDA's functions
You can use the JOYSTICK ;

Features



DISPLAYA:
3.5";
Touch Screen;

Features



GEOLOCATION:

GPS;

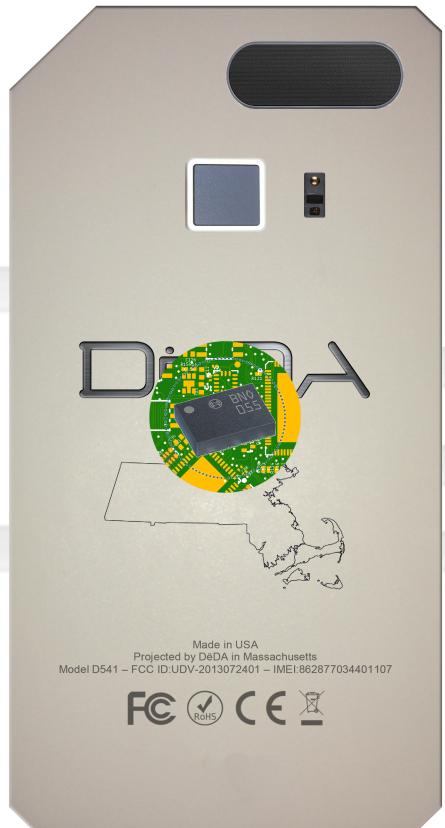
GLONASS;

BeiDou;

Galileo;

QZSS.

Features

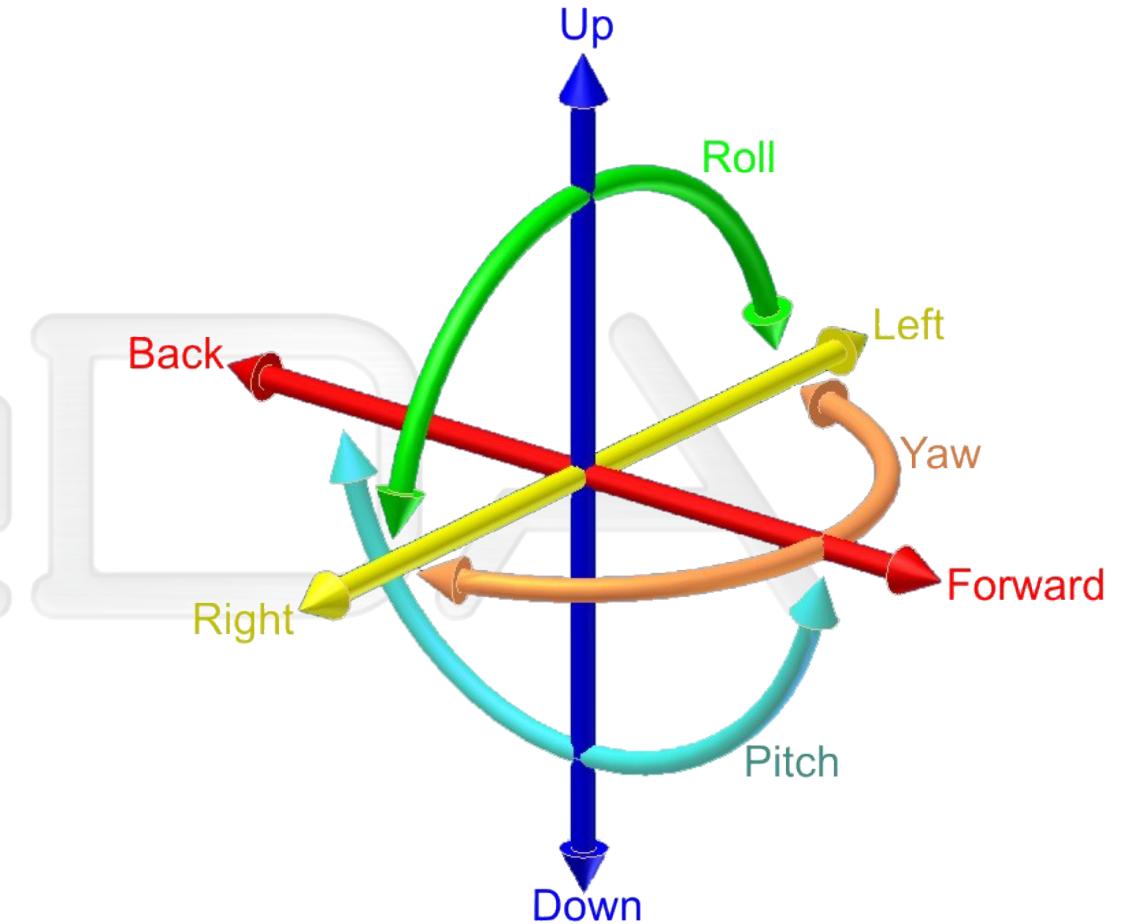
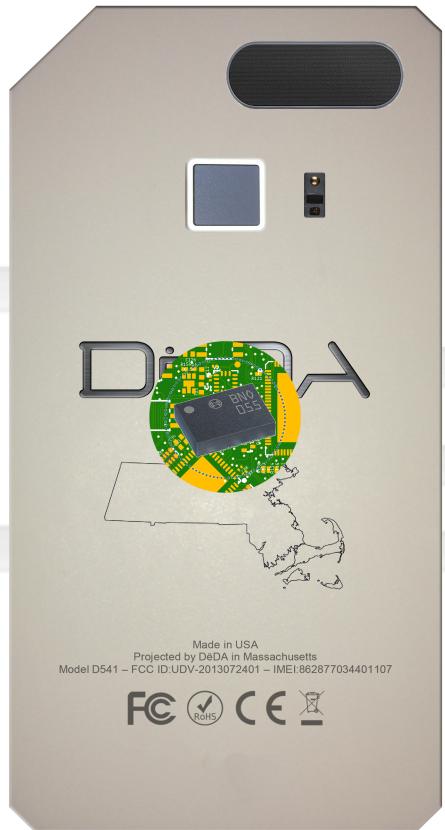


MEMS:

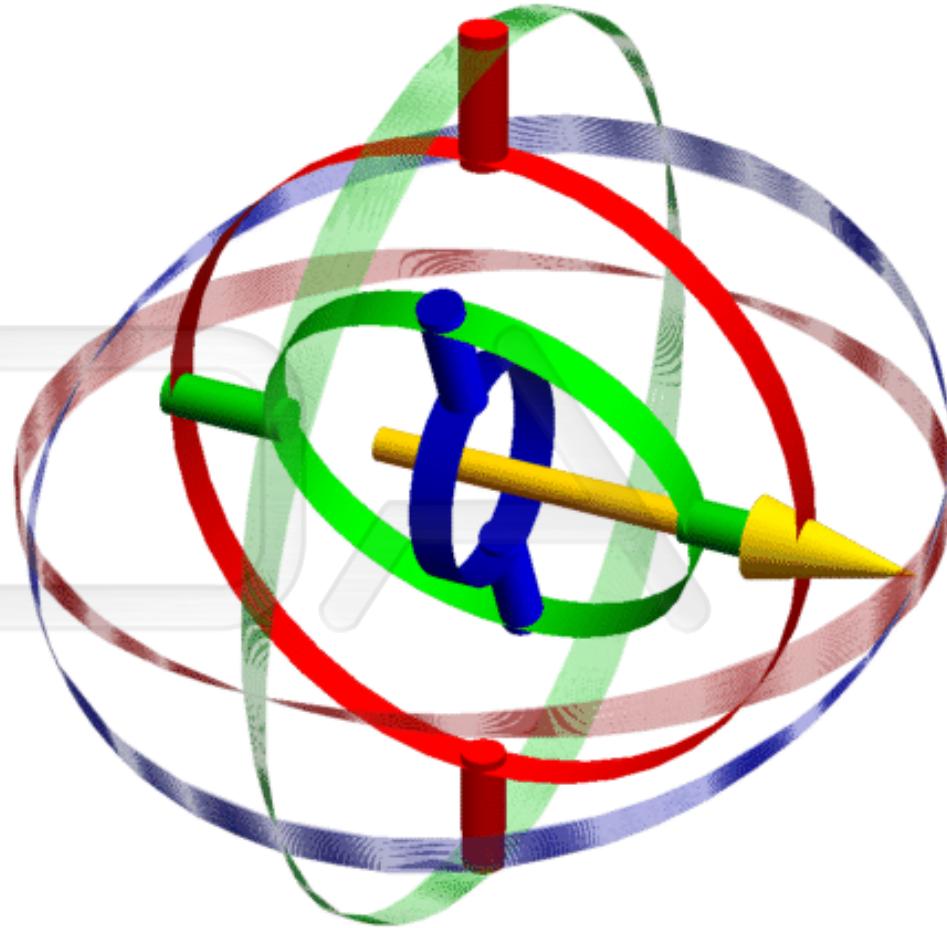
(Microelectromechanical systems)

Intelligent absolute orientation sensor;
Nine axis sensor;
Quaternions and spatial rotation;
Euler angles;
Rotation vector;
Linear acceleration;
Gravity;
Heading.

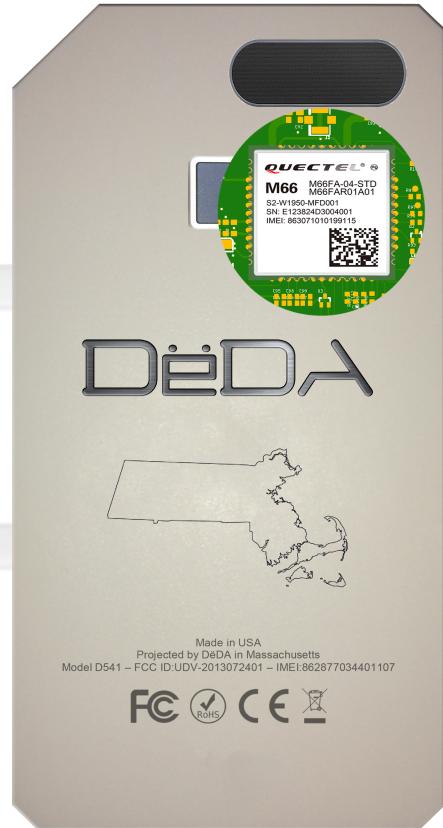
Features



Features



Features



GSM/GPRS:

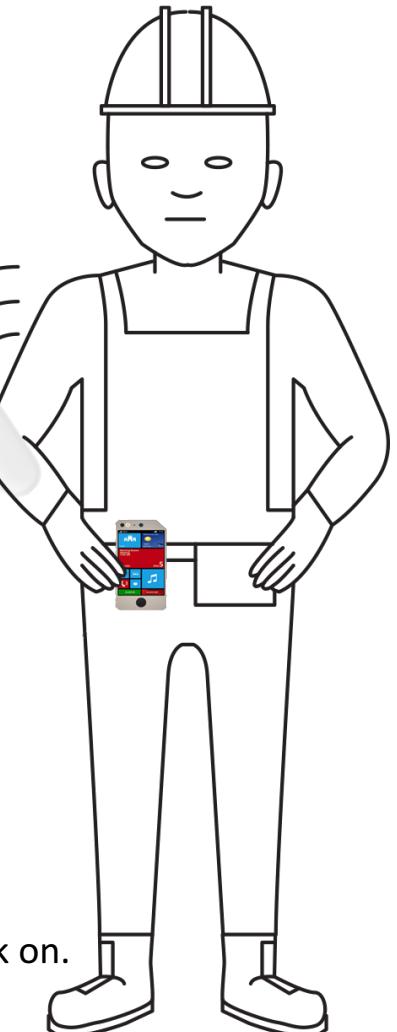
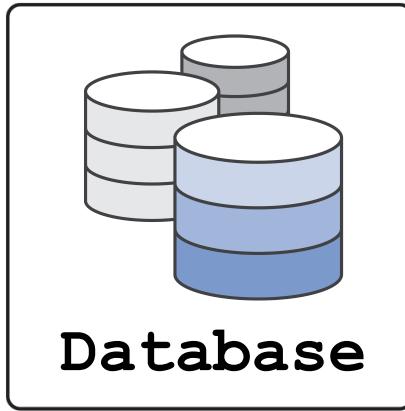
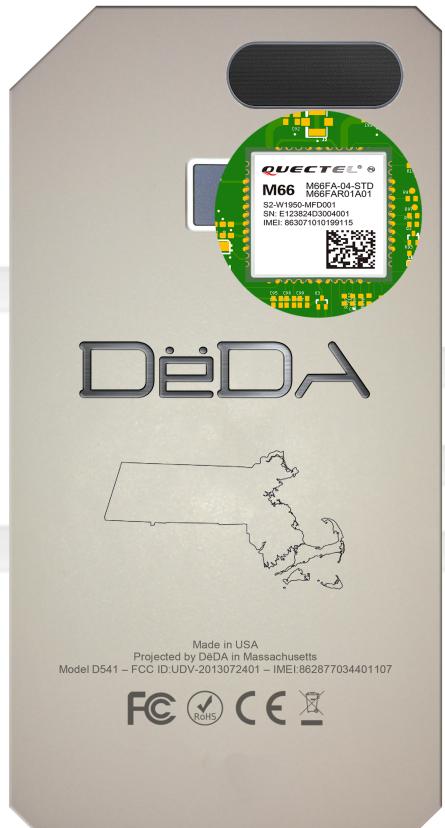
Quad-band: 800/900/1800/1900MHz;

GPRS Class 12;

GSM Class 4;

Embedded Internet Service Protocols;

Features



In case of no signal, DëDA still registers the datas and archives them. Data is sent to our database as soon as signal is back on.

Features



THERMOGRAPHIC CAMERA:

LWIR sensor, wavelength 8 to 14 μm ;

51-deg HFOV, 63.5-deg diagonal;

Thermal sensitivity <50 mK;

Fast time to image (< 0.5 sec).

RSC

Random Security Check



DëDA ensures the employees identity by asking to identify by photo capture, security questions, iris recognition or fingerprint. This will occur randomly from when clocking in until clocking out.

RSC Fingerprint



RSC

Face Recognition



RSC

Iris Recognition



Why choose DëDA?



Not only does DëDA help your business grow, we also made it to keep your employees safe.

Working in a safe environment and knowing help is one touch away if needed, gives you and your employee peace of mind.

We included some safety features that can save lives at work, such as;

- Pulse oximeter and heart-rate sensor;
- Man down alert;
- Emergency Alert System (EAS);
- Identify a situation where the employee is no longer moving;
- Alcohol breath analyzer;
- Air quality sensor;
- Emergency button.

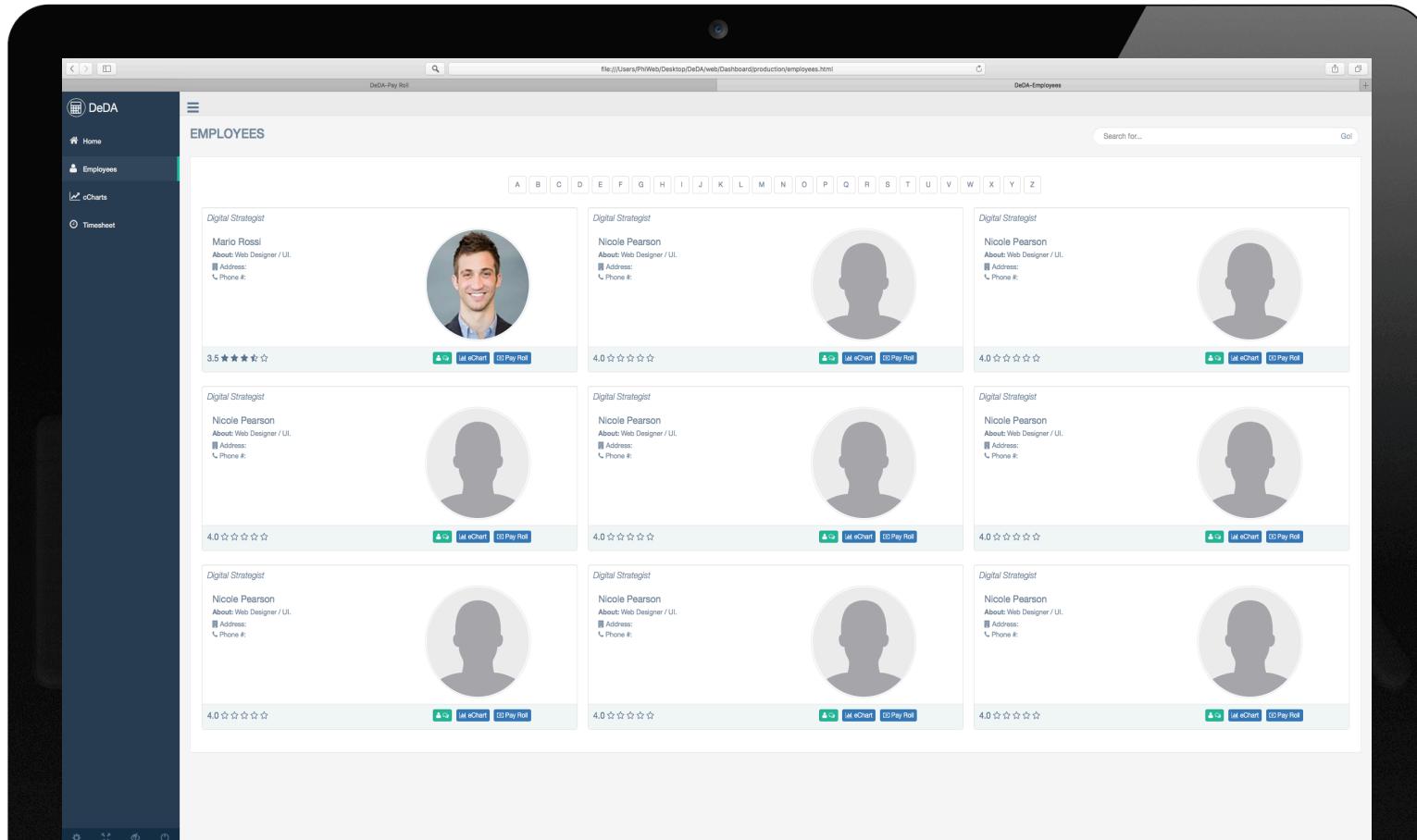
Dashboard



Dashboard



Employees



The screenshot shows a web-based employee management system interface titled "EMPLOYEES". The interface is organized into a grid of 12 employee profiles, each represented by a circular placeholder image. The profiles are arranged in three rows of four. Each profile card includes the following information:

- Role:** Digital Strategist
- Name:** [Employee Name] (e.g., Mario Rossi, Nicole Pearson)
- Description:** About: [Role] / UI. [Address] [Phone #]
- Rating:** [Rating] ★ ★ ★ ★ (e.g., 3.5, 4.0, 4.0, 4.0)
- Actions:** [Edit] [eChart] [Pay Roll]

The interface features a sidebar on the left with the "DeDA" logo and navigation links: Home, Employees, eCharts, and Timesheet. A search bar is located at the top right. A navigation menu at the top center includes letters A through Z and a "Search for..." field with a "Go!" button.

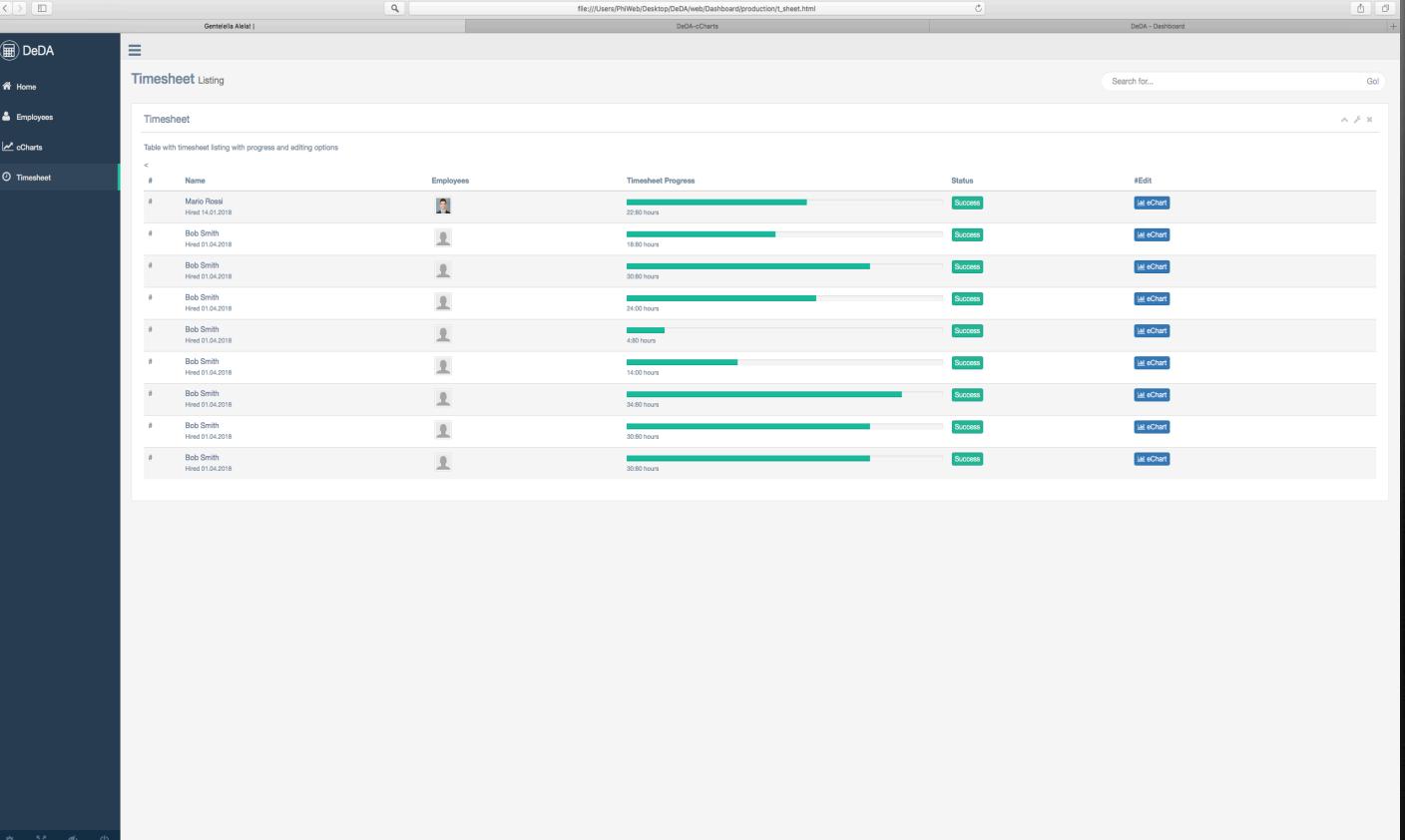
Star



eChart



Timesheet

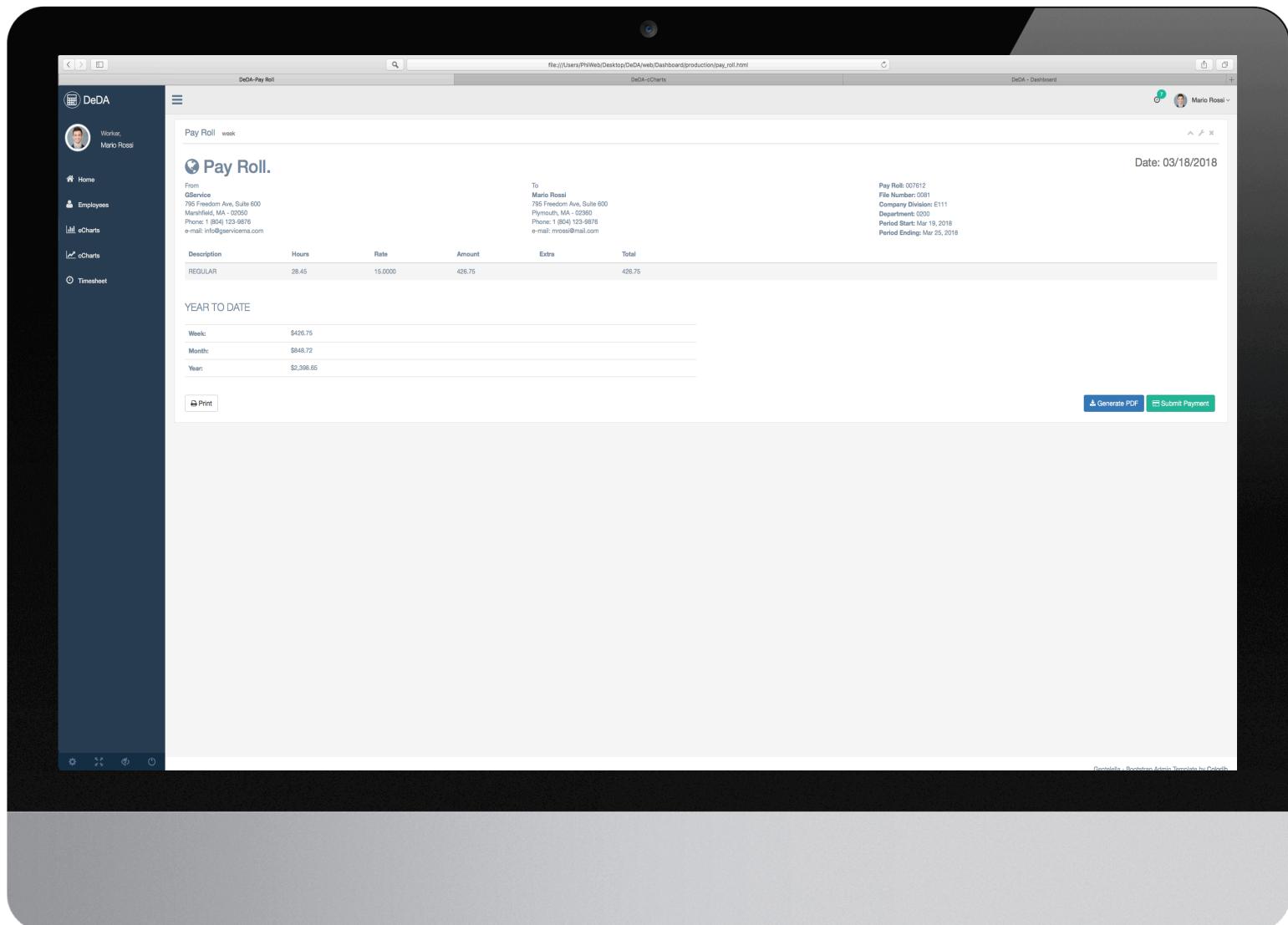


The screenshot shows a laptop displaying a web-based application for managing timesheets. The application has a dark blue header bar with the 'DeDA' logo and a navigation menu on the left. The menu includes 'Home', 'Employees', 'eCharts', and 'Timesheet' (which is currently selected and highlighted in blue). The main content area is titled 'Timesheet Listing' and contains a table with the following data:

#	Name	Employees	Timesheet Progress	Status	#Edit
#	Mario Rossi Hired 14.01.2018		<div style="width: 75%;">22.80 hours</div>	Success	Edit
#	Bob Smith Hired 01.01.2018		<div style="width: 60%;">18.80 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 80%;">30.80 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 70%;">24.00 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 5%;">4.80 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 15%;">14.00 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 90%;">34.80 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 85%;">30.80 hours</div>	Success	Edit
#	Bob Smith Hired 01.04.2018		<div style="width: 80%;">30.80 hours</div>	Success	Edit

The application also features a search bar at the top right and a 'DeDA - Dashboard' link in the top right corner of the header.

Payroll



The image shows a laptop screen displaying a payroll application interface. The application is titled "Pay Roll" and is part of a system named "DeDA".

Left Sidebar (DeDA Navigation):

- Worker, Mario Rossi
- Home
- Employees
- eCharts
- eCharts
- Timesheet

Pay Roll Section:

From:
GServiice
795 Freedom Ave, Suite 800
Marlfield, MA - 02145
Phone: 1 (804) 123-8876
e-mail: info@gservicecamera.com

To:
Mario Rossi
795 Freedom Ave, Suite 800
Plymouth, MA - 02360
Phone: 1 (804) 123-9878
e-mail: mrossi@mail.com

Pay Roll: 007812
File Number: 0081
Company Division: E111
Department: 0000
Period Start: Mar 19, 2018
Period Ending: Mar 25, 2018

Payroll Details:

Description	Hours	Rate	Amount	Extra	Total
REGULAR	28.45	15.0000	426.75		

YEAR TO DATE:

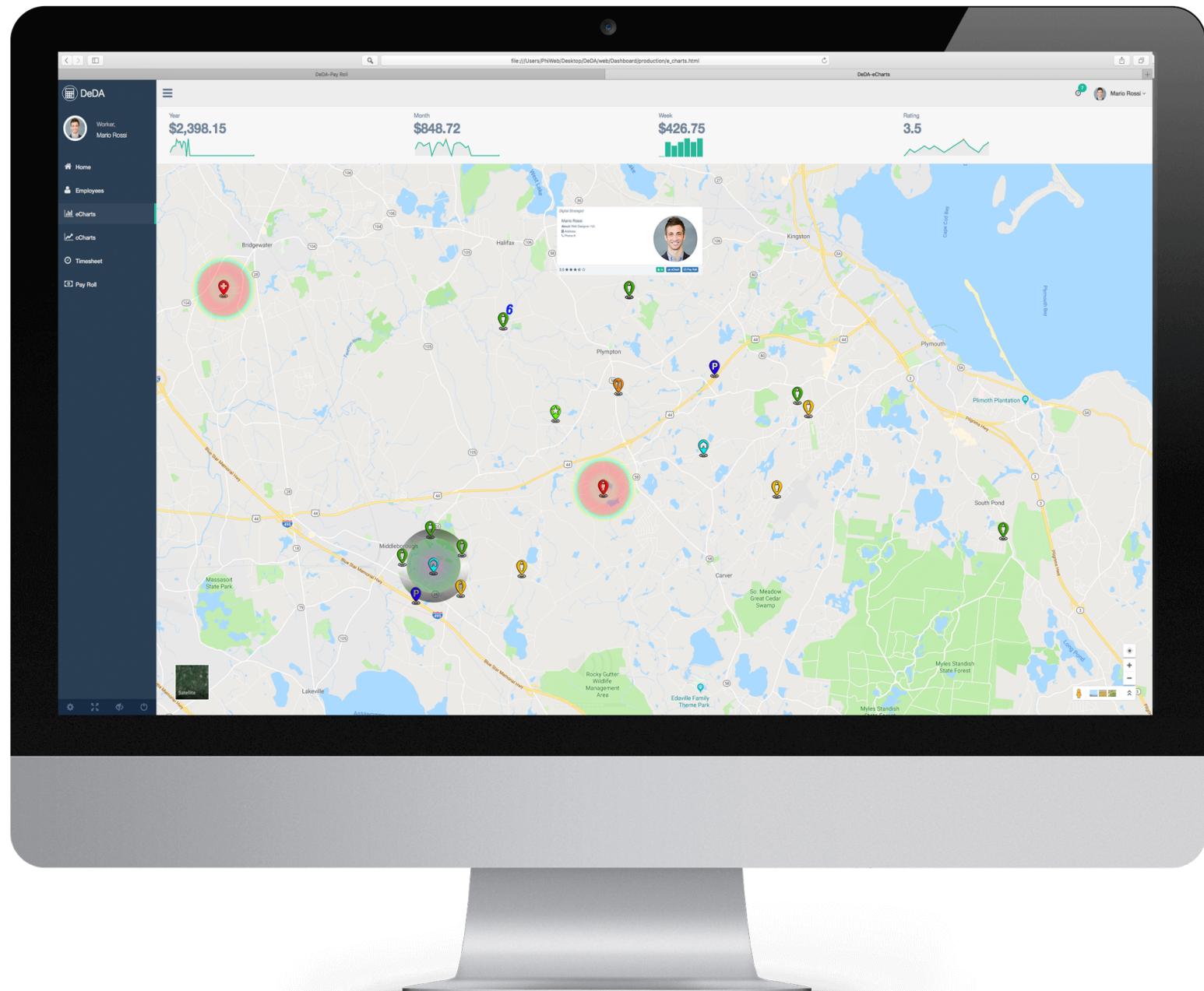
Week:	\$426.75
Month:	\$848.72
Year:	\$2,398.65

Buttons:

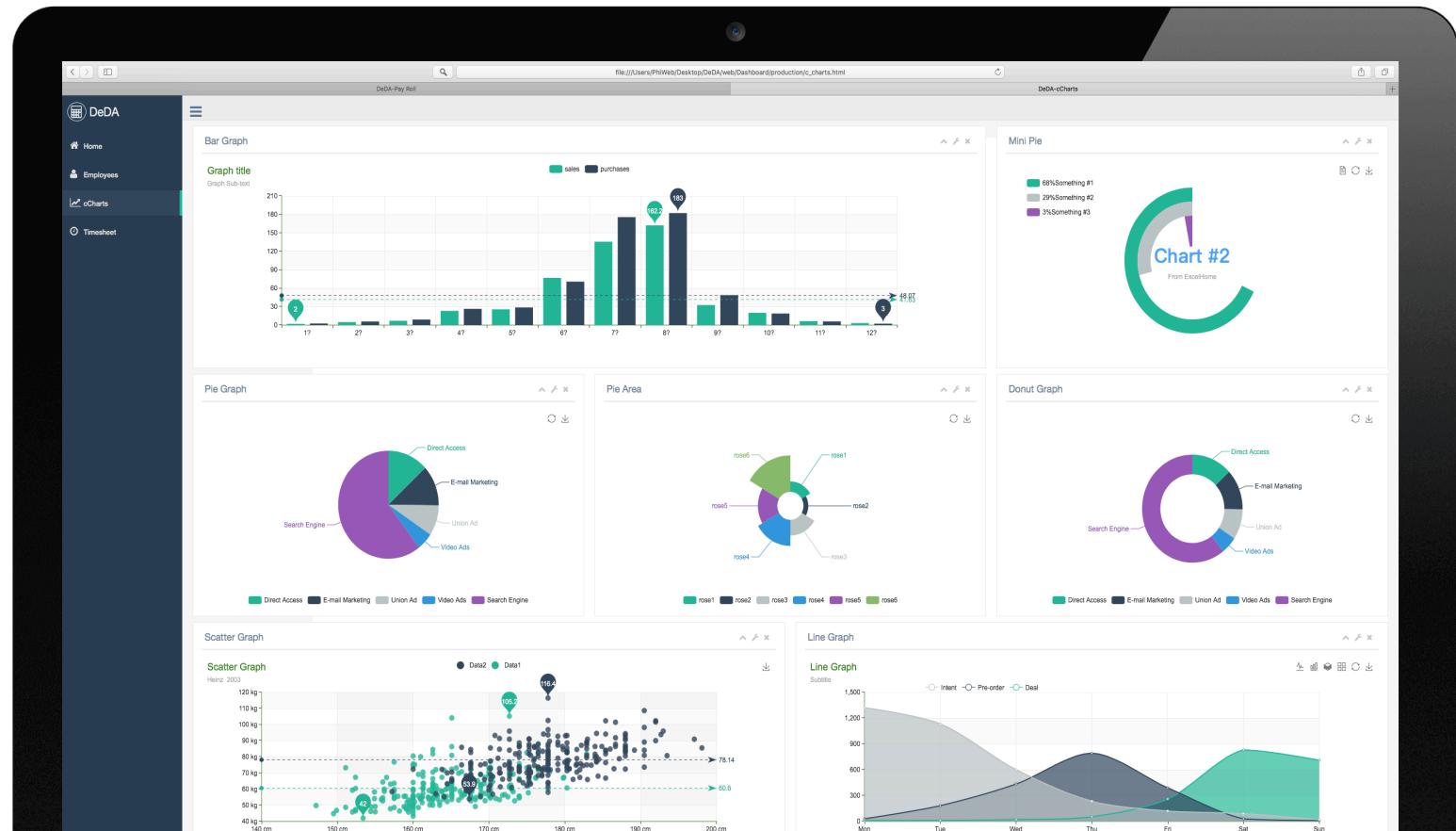
- Print
- Generate PDF
- Submit Payment

DeDA - Pay Roll - file:///Users/PNWeb/Desktop/DeDA/web/DeDA/production/pay_roll.html

Map



cChart



App

With DëDA App you're in control!

Stay connected with your team, keep track of their hours, know their extract location and work performance.

DëDa App helps your business save time and money with the best in technology to serve you and your business with faster results. Getting the job done with efficiency and transparency.



WORKER

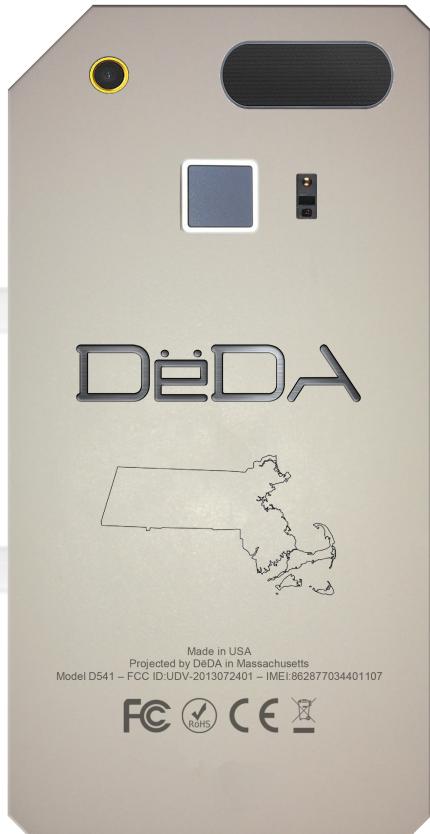
Working conditions can be dangerous. If one of your employees working alone slips, trips or falls—how will you know?

DëDA uses a gyroscope and a three-axis accelerometer to automatically monitor the employee's movements and determine the position and orientation to identify a situation where the employee is no longer moving.

If the worker does not move sufficiently within a configurable period, a Pre-Alarm warning will start.



DeDA



The image features the letters 'D', 'E', 'A' in a bold, black, rounded font. The 'D' and 'A' are enclosed in a thick, dark gray rectangular border with a metallic texture. The 'E' is a smaller, rectangular block with a dark gray border and a white center. A black cursor arrow points towards the 'A' from the right. The background is a light gray hexagonal grid.

Thank you for your time.