TOUCH IOT WITH SAP LEONARDO

PROTOTYPE CHALLENGE

PRESENTING

PFM

PLATOON FORCE MANAGEMENT

"THE FUTURE OF WARFARE, TODAY"
Story

SUMMARY
The Flandrian Army (FA) needs a solution for the leaders of their armored branch which enables the real time visualization of the key parameters and statistics of the platoons during field operations in order to permit a faster decision making and an increase in the situational awareness of the deployed teams.

STORY
In the rapidly changing environment of the 21st century battlefield, the force that achieves the technological and tactical superiority against their foes has an increased chance of achieving the tactical goals pursued. A faster synergy between the different echelons of the units involved can be traduced in a bigger chance of

At present time, the platoon leader must relay in radio communications to stay in touch with his subordinates and with HQ with the associated delay in having the full tactical picture at any time. He doesn't have accurate and precise information of key indicators such as health status of the men under his command and mechanical data and firepower of the vehicles in his unit, making more difficult the decision making process.
ABOUT

- 29 years old, married with one 3-year-old son.
- Digital native.
- Graduated in the top five percent of his class at the military academy.

RESPONSIBILITIES

- Responsible for the success in combat of 15 NCOs and enlisted Soldiers during combat operations.
- Decide the best way to obtain tactical objectives during the heat of the battle by assessing the capabilities and limitations of the platoon personnel and equipment.

NEEDS

- I need to forward the health information of my soldiers if they are injured.
- I need to have access to the communications log in the event of radio interference.
- I need to be sure of the optimal condition of the tanks before starting operations.

MAIN GOALS

- Obtain real-time information of the battlefield intelligence, personnel status and tank sensors.
- Send technical reports to maintenance echelon in the event of tank damage to speed up the repair process.
- Highlighted indicators of important information for quick access of critical indicators.
- Visualize real tank positions in the operations theatre.

PAIN POINTS

- I don’t have any factual information of the operational readiness of my unit.
- I lose essential time in processing the output from several separated information systems.

"A centralized tactical information system is essential to access immediate intelligence and to make the correct decision."
POV

“As a platoon commander, I need a way to access immediate intelligence so that the safety of my men is guaranteed.”
## User experience journey

<table>
<thead>
<tr>
<th>ACTIONS</th>
<th>MINDSET</th>
<th>FEELINGS</th>
<th>TOUCH POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read the marching orders deciding which tactical approach is the best on the field.</td>
<td>&quot;What is this all about?&quot; &quot;Which assets should I use and where?&quot;</td>
<td></td>
<td>Orders. GPS. Maps.</td>
</tr>
<tr>
<td>Check equipment and personnel status prior operations.</td>
<td>&quot;Is all ready to go?&quot;</td>
<td></td>
<td>Radio communications. Subordinates. Maintenance team.</td>
</tr>
<tr>
<td>Start operations and maintain platoon formation.</td>
<td>&quot;Here we go&quot; &quot;No man left behind&quot;</td>
<td></td>
<td>Radio. GPS. Tank.</td>
</tr>
<tr>
<td>Contact with the enemy. Assess tactical options choosing the best course of action.</td>
<td>&quot;CONTACT!&quot; &quot;Where is the enemy?&quot; &quot;What should we do next?&quot; &quot;How is everyone doing?&quot;</td>
<td></td>
<td>Tank. Radio. Subordinates. HQ. GPS.</td>
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Mockup

HOME PAGE

MULTIPLE FUNCTIONALITIES IN ONE TOOL

Build study link:
https://standard.build.me/prototype-editors/api/public/v1/snapshots/17584677b4bc284d0e04b14a/artifacts/latest/index.html#/master_page_1