

STELLASTONE
DOCUMENTS DE MAQUETTE DU LOGICIEL

2022-2023

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Historique de version

Version	Auteur(s)	Date	Commentaire
1.0	MEZIANE / BENGUEZZOU	15/11/2022	Création du document.
1.1	MEZIANE / BENGUEZZOU	15/11/2022	Réalisation des maquettes d'authentification et ajout de celles-ci au document.
1.2	MEZIANE / BENGUEZZOU	16/11/2022	Réalisation des maquettes de l'accueil.
1.3	MEZIANE / BENGUEZZOU	18/11/2022	Réalisation des maquettes du profil de l'utilisateur.

1.4	MEZIANE / BENGUEZZOU	19/11/2022	Réalisation des maquettes des paramètre de compte de l'utilisateur.
1.5	MEZIANE / BENGUEZZOU	20/11/2022	Corrections et ajouts d'un onglet réseau spatial aux maquettes de profil.
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1.7	MEZIANE / BENGUEZZOU	22/11/2022	Ajout et réalisation des maquettes concernant la carte du monde.
1.8	MEZIANE / BENGUEZZOU	23/11/2022	Réalisation des interfaces de la construction de fusée en mode aventure.
1.9	MEZIANE / BENGUEZZOU	24/11/2022	Réalisation des maquettes de la réalisation de la mission.

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2.1	MEZIANE / BENGUEZZOU	25/11/2022	Réalisation d'un prototype sur Figma.
2.2	BENGUEZZOU	26/11/2022	Rédaction de l'introduction du document.
2.3	MEZIANE	26/11/2022	Ajout des références de toutes les images utilisées dans les maquettes.

1 INTRODUCTION

1.1 OBJECT DU DOCUMENT

L'objet de ce document est de présenter toutes les interfaces du logiciel. Le logiciel devra être développer de manière à respecter le plus fidèlement possible les interfaces présente dans ce document. Ainsi les couleurs, les dimensions et les icônes utilisées pour réaliser ces maquettes sont accessible pour les développeurs ou pour toutes personne intéressée par ces détails [ici](#).

Notons que l'entreprise Novus permet à quiconque le voulant, d'obtenir une copie des sources et de les éditées à leurs guises. Un prototype a également été réalisé pour permettre de simuler les actions du logiciel, le prototype est visualisable depuis Figma depuis l'interface d'édition de la maquette, suite à la copie des sources.

Ainsi ce document a pour première objectif de permettre aux clients et potentiel client ainsi qu'aux futurs utilisateurs ou investisseurs d'avoir un aperçu graphique du logiciel et de permettre au développeur d'utiliser ces interfaces pour les reproduire.

1.2 REFERENCE

1.2.1 Interface authentification

Image de fond : [https://www.figma.com/file/ccBWvkQhOMMVcPfAhAjxod/Space-Web-UI-Kit-\(Community\)?node-id=6%3A7&t=Aot6bQPdOppBX3HU-0](https://www.figma.com/file/ccBWvkQhOMMVcPfAhAjxod/Space-Web-UI-Kit-(Community)?node-id=6%3A7&t=Aot6bQPdOppBX3HU-0)

1.2.2 Interface Paramètres

Cosmonaute : [https://www.figma.com/file/ccBWvkQhOMMVcPfAhAjxod/Space-Web-UI-Kit-\(Community\)?node-id=6%3A7&t=Aot6bQPdOppBX3HU-0](https://www.figma.com/file/ccBWvkQhOMMVcPfAhAjxod/Space-Web-UI-Kit-(Community)?node-id=6%3A7&t=Aot6bQPdOppBX3HU-0)

Avatar Utilisateur : <https://www.pngwing.com/en/free-png-kolix>

1.2.3 Interface Profil

Image de Mars : <https://www.republicworld.com/technology-news/science/mars-atmosphere-details-about-mars-climate-weather-and-more.html>

Avatar Astronaute : <https://www.vectorstock.com/royalty-free-vector/astronaut-head-mascot-logo-vector-28892531>

1.2.4 Interface Entreprise

Logo Entreprise : <https://www.shutterstock.com/image-vector/new-world-order-emblem-allseeing-260nw-631301069.jpg>

Logo SpaceX: <https://studentwork.prattsi.org/infovis/visualization/https-timeline-knightlab-com-preview-embed/>

1.2.5 Interface Réseau spatial

Image galaxie : https://www.pinterest.es/pin/647040671439161576/?amp_client_id=CLIENT_ID%28_%29&mweb_unauth_id=&simplified=true

1.2.6 Interface Accueil

Fusée 3D : <https://sketchfab.com/3d-models/space-shuttle-3d94c44b36564ffcae1d02dff6a4c74>

Carte du monde : https://favpng.com/png_view/blue-dream-world-map-world-map-illustration-png/8Dppag0L

1.2.7 Interface Carte du monde

Image de fond :

[https://www.figma.com/file/XqS5IOpo5oPO1MNxCFSGYk/World-map-with-country-names-%2B-flags-\(Community\)?t=u9DDNIQZOYZcYI7f-6](https://www.figma.com/file/XqS5IOpo5oPO1MNxCFSGYk/World-map-with-country-names-%2B-flags-(Community)?t=u9DDNIQZOYZcYI7f-6)

1.2.8 Interface de Voyage

Image de fond Embarquement : <https://www.scientificamerican.com/article/spacexs-crew-dragon-signals-sea-change-in-u-s-spaceflight/>

Image de fond Mise à feu : <https://interestingengineering.com/culture/european-space-agency-is-aiming-for-its-own-low-cost-reusable-rocket>

Image de fond Détachement : <https://fineartamerica.com/featured/1-ares-v-nasa.html>

Image de fond Injection sur orbite : <https://spacenews.com/predasar-may-launch-48-satellites-with-spacex-exec-says/>

Image de fond Vue Extérieure : <https://mobile.twitter.com/OneSpace01/status/1147062764659081217?cxt=HHwWgoCo6bngl-sfAAAA>

Image de fond Vue intérieure : <https://www.discovermagazine.com/technology/high-precision-star-maps-boost-interstellar-navigation-system>

Image de fond Découverte planète : <https://www.imeche.org/news/news-article/feature-the-future-of-nuclear-propulsion>

Image Vénus 1 : <https://www.newscientist.com/article/2293335-venuss-surface-may-have-never-been-cool-enough-for-oceans-or-life/>

Image Vénus 2 : <https://www.deccanchronicle.com/science/science/200516/mars-earth-sun-will-line-up-perfectly-in-sky-on-sunday.html>

1.2.9 Interface de Construction de la fusée

1.2.9.1 Interface Mode réaliste

Image de fond : <https://www.artstation.com/artwork/WmzeGD>

Moteur Merlin : <https://wevolver-project-images.s3.us-west-1.amazonaws.com/0.1x7ucqxtixe3.png>

1.2.9.2 Interface Mode aventure

Image de fond : <https://www.cgtrader.com/3d-models/exterior/industrial-exterior/hangar-79a6a206-93e8-4486-aa4f-01cbc9183569>

Moteur Merlin : <https://hotcore.info/act/kareff-110791.html>

2 AUTHENTICATION

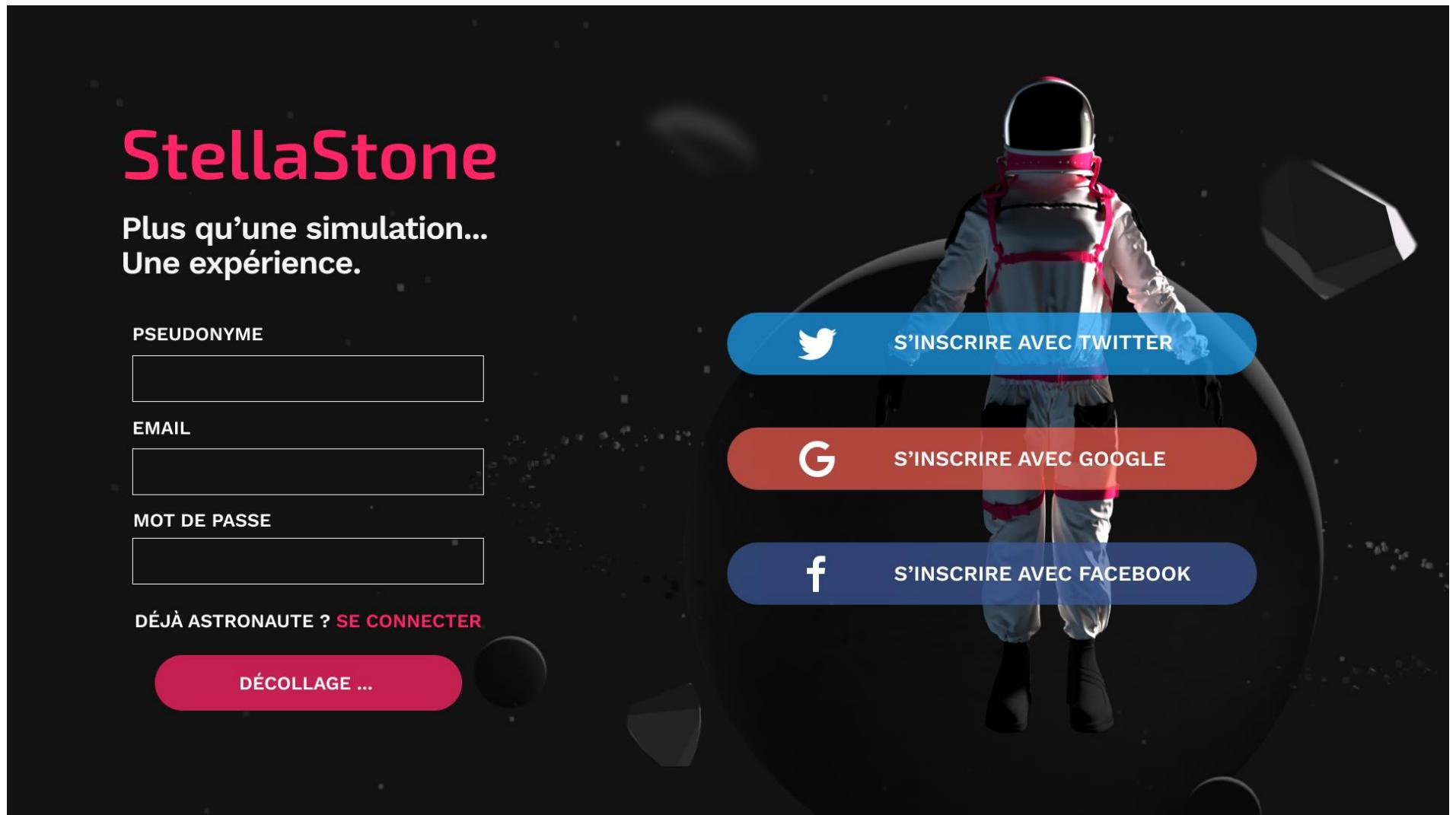


Figure 1: A000-0

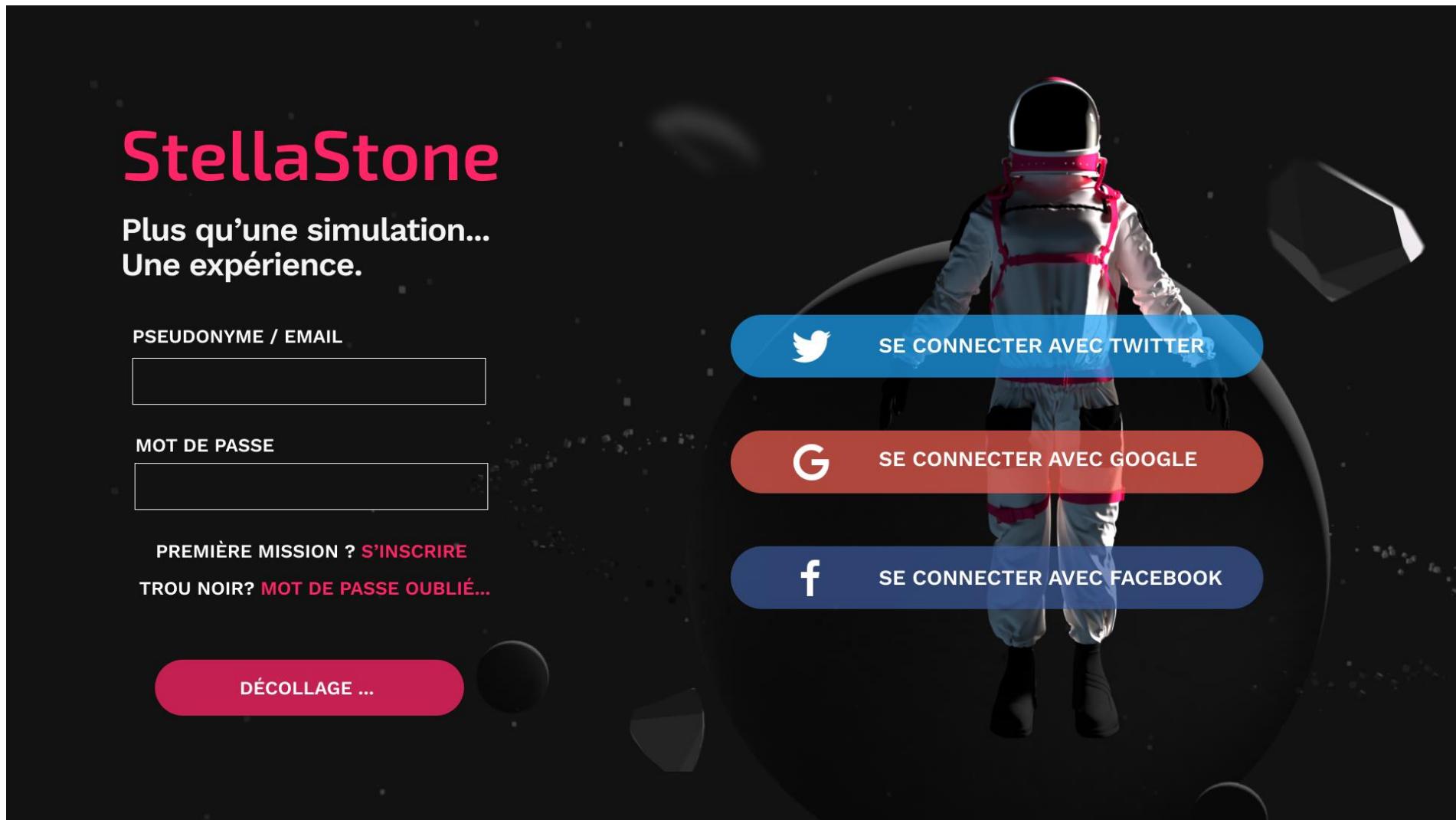


Figure 2: A000-I

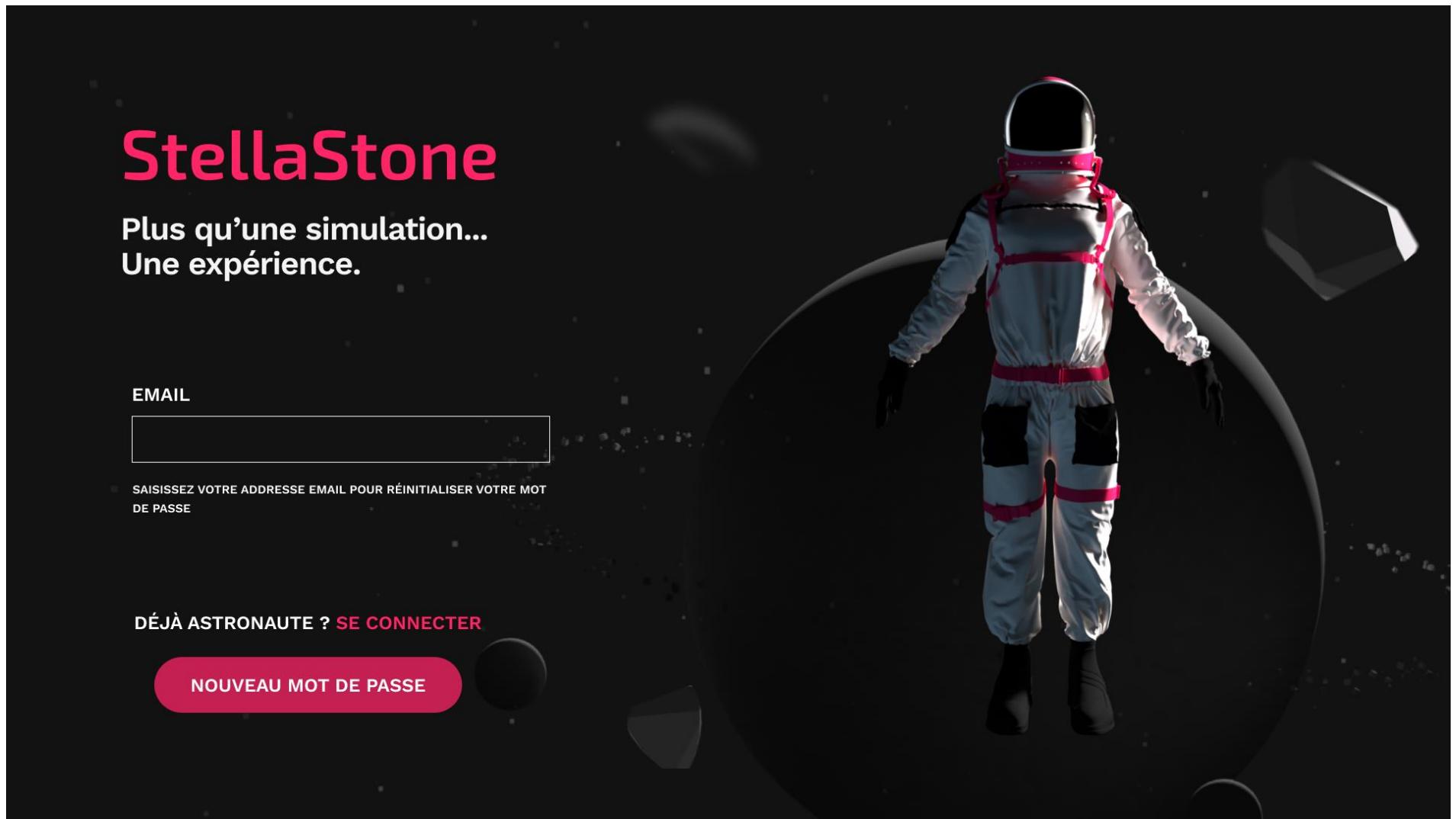


Figure 3: A000-2

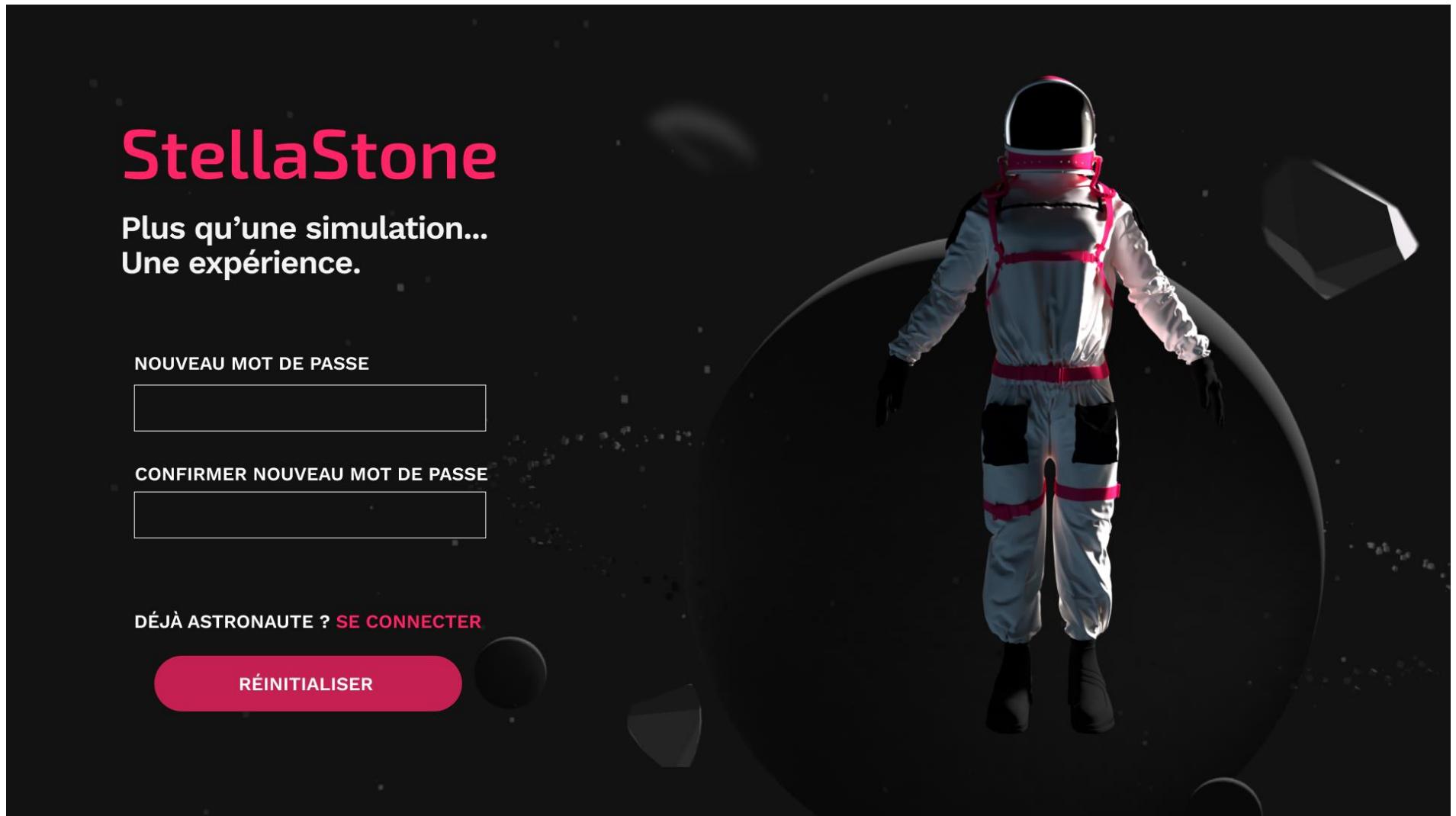


Figure 4: A000-3

3 ACCUEIL

The screenshot shows the StellaStone application interface. At the top left is the user profile of Ghilas Meziane with an edit button and a military-style rank icon. Below it is a section titled "COLLABORATEURS" listing users: Ghilas Meziane (Déconnecté), Idriss Benguezzou (Connecté), Mohammed Rouabah (Déconnecté), and Illyes Zeghdalou (Connecté). To the right is a search bar with the placeholder "Zes" and a dropdown menu showing profiles for Idriss Benguezzou (@zestones), Ghilas Meziane (@cheb_khalass), Mohammed Rouabah (@mamio), and Space X, along with "Rejoindre" (Join) and "Suivre" (Follow) buttons. In the center is a large 3D model of a white space shuttle. To the right are several status indicators: "Vitesse d'inertie" (7.68 km/s), "Etagement" (4), "Apogee" (404.4 km), "Perigee" (389.4 km), "Inclination" (51.67°), and "Range to ISS" (0.02 km). At the bottom is a navigation bar with icons for General (selected), New mission, Workshop, Profile, Company, Space network, Map, Chat, and Logout, along with an "ATELIER" button.

Ghilas Meziane [Editor le profil](#)

COLLABORATEURS

Utilisateur	Statut
Ghilas Meziane	Déconnecté
Idriss Benguezzou	Connecté
Mohammed Rouabah	Déconnecté
Illyes Zeghdalou	Connecté

[DÉPART FRANCE](#) [ARRIVÉE](#) [Choisir la destination](#)

Zes

- Idriss Benguezzou @zestones [Inviter](#) [Suivre](#)
- Ghilas Meziane @cheb_khalass [Inviter](#) [Suivre](#)
- Mohammed Rouabah @mamio [Inviter](#) [Suivre](#)
- Space X [Rejoindre](#)

Vitesse d'inertie 7.68 km/s

Etagement 4

Apogée 404.4 km

Perigée 389.4 km

Inclinaison 51.67°

Range to ISS 0.02 km

[ATELIER](#)

[Général](#) [Nouvelle mission](#) [Atelier](#) [Profil](#) [Entreprise](#) [Réseau spatial](#) [Map](#) [Chat](#) [Logout](#)

Figure 5: H000-0

The screenshot shows the StellaStone application interface. At the top left is a user profile for Ghilas Meziane with an edit link and a military-style rank icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned at the top center. On the right side, there is a world map showing satellite or orbital data.

COLLABORATEURS

Collaborateur	Statut
Ghilas Meziane	Déconnecté
Idriss Benguezzou	Connecté
Mohammed Rou...	Déconnecté
Illyes Zeghdalou	Connecté

Below the collaborator list are four communication icons: a phone, a microphone, headphones, and a speech bubble.

MISSION PATH

DÉPART FRANCE → ARRIVÉE

[Choisir la destination](#)

SPACE SHUTTLE

A large 3D model of a space shuttle with two solid rocket boosters and a white external fuel tank is centered in the background.

MISSION PARAMETERS

Vitesse d'inertie	7.68 km/s
Etagement	4
Apogee	404.4 km
Perigee	389.4 km
Inclinaison	51.67°
Range to ISS	0.02 km

ATELIER

At the bottom, a navigation bar includes links for Général (highlighted), Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

Figure 6: H001-0

The screenshot shows the StellaStone application interface. On the left, there is a dark sidebar containing a user profile for "Ghilas Meziane" with an edit link, and a list of messages from users "Ghilasinho", "zestones", and "mamio". Each message is timestamped at "15:09" and says "Bonjour, vive la JSMB.". At the bottom of the sidebar is a text input field with placeholder "Rédigez votre message..." and a blue send arrow button.

The main workspace is centered around a large 3D model of a Space Shuttle launching. Above the shuttle is a search bar with the placeholder "Rechercher...". To the right of the shuttle, there is a world map showing satellite locations. Below the shuttle, several performance metrics are displayed with sliders:

- Vitesse d'inertie: 7.68 km/s
- Etagement: 4
- Apogee: 404.4 km
- Perigee: 389.4 km
- Inclination: 51.67°
- Range to ISS: 0.02 km

At the bottom of the workspace is a navigation bar with icons for "Général" (selected), Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout. A "ATELIER" button is located at the bottom right of the workspace area.

Figure 7: H001-1

The screenshot shows the StellaStone interface with a central modal dialog titled "CHOIX DE LA DESTINATION". Inside the dialog, there is a sub-dialog titled "CHOISIR UNE DESTINATION" with a dropdown menu containing "LUNE", "MARS", and "SATURNE". A blue "VALIDER" button is at the bottom right of the sub-dialog. The background of the main screen features a dark theme with a world map of satellite constellations, a 3D model of a rocket ship, and various user interface elements like a search bar, a "COLLABORATEURS" section, and a "MISSIONS" section.

COLLABORATEURS

Ghilas Meziane	Déconnecté
Idriss Benguezzou	Connecté
Mohammed Rou...	Déconnecté
Ilyes Zeghdalou	Connecté

MISSIONS

DÉPART: FRANCE | ARRIVÉE: [empty]

Rechercher...

Vitesse d'inertie: 7.68 km/s

Etagement: 4

Apogée: 404.4 km

Perigée: 389.4 km

Inclinaison: 51.67°

Range to ISS: 0.02 km

CHOIX DE LA DESTINATION

LUNE
MARS
SATURNE

VALIDER

ATELIER

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 8: H002-0

The screenshot shows the StellaStone web application interface. At the top left is a user profile for Ghilas Meziane with a "Editer le profil" link. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned at the top center. On the right side, there is a world map with numerous small dots representing satellite or space station locations.

COLLABORATEURS

Collaborateur	Statut
Ghilas Meziane	Déconnecté
Idriss Benguezzou	Connecté
Mohammed Rou...	Déconnecté
Ilyes Zeghdalou	Connecté

Below the collaborator list are four communication icons: a phone, a microphone, headphones, and a speech bubble.

DÉPART FRANCE
ARRIVÉE MARS
[Choisir la destination](#)

TEMPS ESTIMÉ
258 jours

LANCEMENT DE LA MISSION NOUJOUM

In the center, a large 3D model of a white space shuttle with orange external tank and solid rocket boosters is shown against a dark background. To the right of the shuttle are several performance metrics with sliders:

- Vitesse d'inertie: 7.68 km/s
- Etagement: 4
- Apogée: 404.4 km
- Perigée: 389.4 km
- Inclinaison: 51.67°
- Range to ISS: 0.02 km

A large button labeled "ATELIER" is located in the bottom right corner. At the very bottom, a navigation bar contains icons for Général (selected), Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

Figure 9: H002-I

The screenshot shows the StellaStone application interface. At the top left is a user profile for Ghilas Meziane with an edit link and a rank icon. A search bar is at the top right. Below the header, a sidebar on the left lists "COLLABORATEURS" with status indicators (Déconnecté or Connecté) for Ghilas Meziane, Idriss Benguezzou, Mohammed Rou..., and Illyes Zeghdallou. It also includes communication icons for phone, microphone, headphones, and a speech bubble. A map icon with "DÉPART FRANCE ARRIVÉE MARS" and a "Choisir la destination" button is present. A "TEMPS ESTIMÉ" section shows "258 jours". A "LANCEMENT DE LA MISSION NOUJOUN" button is highlighted with a pink border. The main content area features a large orange rocket graphic and a "NOUVELLE MISSION" dialog box. The dialog has fields for "NOM DE LA MISSION" (empty), an "INVITER LES MEMBRES DE VOTRE ENTREPRISE." checkbox (unchecked), and two buttons: "MODE AVENTURE" and "MODE REALISTE". A note below says "LA MISSION EN COURS EST SAUVEGARDÉ AUTOMATIQUEMENT.". To the right of the dialog, a world map is shown with various data sliders: "Vitesse d'inertie" (7.68 km/s), "Etagement" (4), "Apogee" (404.4 km), "Perigee" (389.4 km), "Inclination" (51.67°), and "Range to ISS" (0.02 km). A "ATELIER" button is located at the bottom right. The bottom navigation bar includes links for Général, Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

Figure 10: H003-0

The screenshot shows the StellaStone web application interface. At the top left is a user profile for Ghilas Meziane with an edit link and a military-style rank icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned at the top center. On the right side, there is a world map icon.

A large central banner features a 3D rendering of a space shuttle launching from a launch pad. Overlaid on the banner is a white rounded rectangle containing the text "NOUVELLE MISSION" in purple and pink.

To the left of the banner, there is a vertical navigation bar with icons for "DÉPART" (departure) and "ARRIVÉE" (arrival), and a button labeled "Choisir la destination" (Select destination).

On the right side of the interface, several mission parameters are displayed as sliders with their current values:

- Vitesse d'inertie: 7.68 km/s
- Etagement: 4
- Apogee: 404.4 km
- Perigee: 389.4 km
- Inclination: 51.67°
- Range to ISS: 0.02 km

At the bottom of the screen is a navigation bar with the following items:

- Général (selected)
- Nouvelle mission
- Atelier
- Profil
- Entreprise
- Réseau spatial
- Map
- Chat
- Logout

Figure 11: H004-0

The screenshot shows the StellaStone application interface. At the top left is a user profile for Ghilas Meziane, featuring a circular icon with a portrait, the name "Ghilas Meziane", and a "Editer le profil" button. To the right is a search bar with the placeholder "Rechercher...". Below the search bar is a large central image of a white space shuttle with orange and grey accents, set against a dark background.

On the left side, there's a sidebar titled "COLLABORATEURS" and a message "Rejoindre une entreprise." Below this is a vertical path icon showing "DÉPART" at the top and "ARRIVÉE" at the bottom, with a red button labeled "Choisir la destination" between them.

On the right side, there are several input fields with sliders and question marks: "Vitesse d'inertie", "Etagement", "Apogee", "Perigee", "Inclination", and "Range to ISS". At the bottom right is a button labeled "ATELIER".

At the very bottom, a navigation bar contains icons for "Général" (selected), "Nouvelle mission", "Atelier", "Profil", "Entreprise", "Réseau spatial", "Map", "Chat", and "Logout".

Figure 12: H005-0

The screenshot shows the StellaStone application interface. At the top left is a user profile for Ghilas Meziane with a "Edit profile" button and a rank icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned above a large central rocket graphic. To the right of the rocket is a world map showing satellite locations.

COLLABORATEURS

Utilisateur	Statut
Ghilas Meziane	Déconnecté
Idriss Benguezzou	Connecté
Mohammed Rou...	Déconnecté
Ilyes Zeghdalou	Connecté

Below the rocket are four communication icons: phone, microphone, headphones, and a speech bubble.

A vertical flight path line starts at "DÉPART FRANCE" and ends at "ARRIVÉE". A red button labeled "Choisir la destination" is located next to it.

On the right side, there are several status indicators with sliders:

- Vitesse d'inertie: 7.68 km/s
- Etagement: 4
- Apogee: 404.4 km
- Perigee: 389.4 km
- Inclinaison: 51.67°
- Range to ISS: 0.02 km

A white button labeled "ATELIER" is located at the bottom right.

At the very bottom, a navigation bar contains icons for General (selected), New mission, Workshop, Profile, Enterprise, Space network, Map, Chat, and Logout.

Figure 13: H005-1

4 PROFIL

Mohammed Rouabah Capitaine
Editer le profil

Rechercher...

Ghilas Meziane
Cheb khalas SUIVRE

356 ABONNES

Idriss Benguezzou
@zestones Passionné d'espace je suis le futur amstrong ! Suivre

Ilyes Zeghdellou
@zegdada Passionné d'espace je suis le futur amstrong ! Suivre

Mohammed Rouabah
@mamio Passionné d'espace je suis le futur amstrong ! Abonné

POSTER

329 142 1 253

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 14: P001-0

The screenshot shows a user profile for "Mohammed Rouabah" (mamio). The profile includes a circular icon of an astronaut, a bio "Passionné d'espace je suis le futur amstrong !", and a "SUIVRE" button. A modal window titled "102 ABONNEMENTS" lists three subscribers:

- Idriss Benguezzou (@zestones) - Abonné
- Ilyes Zeghdellou (@zegdada) - Abonné
- Mohammed Rouabah (@mamio) - Abonné

Below the modal is a post featuring a Mars image with 329 comments, 142 shares, and 1,253 likes. The navigation bar at the bottom includes links for Général, Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

Figure 15: P001-1

The screenshot shows the StellaStone application interface. At the top left is the user's profile picture (a green circle with a white robot icon), name (Mohammed Rouabah), and a "Editer le profil" button. To the right is a search bar with the placeholder "Rechercher...".

In the center, there is a profile card for "Ghilas Meziane" (Cheb khalas). It shows 102 Abonnements and 356 Abonnés. Below the name is a bio box containing "PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR" and "AMSTRONG". A "SUIVRE" button is located to the right of the bio.

Below the profile card, there are tabs: "Stellas" (highlighted in pink), "Statistiques", "Invitation", and "Sauvegarde".

A message notification says "Vous avez restellas" from "Idriss Benguezzou" (@zestones) on "31 oct. 2022". The message content is: "Nouvelle mission pour l'entreprise Novus, décollage Lundi 07 Novembre ! Direction la planète Mars !!".

At the bottom, there is a "POSTER" button with a plus sign inside a blue circle. The navigation bar at the very bottom includes icons for Général (selected), Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

A large 3D model of an astronaut in a white suit with red accents is positioned on the right side of the screen.

Figure 16: P002-0

The screenshot shows the StellaStone game interface. At the top left is the user's profile picture and name, "Ghilas Meziane", with a "Edit profile" button and a blue and white rank icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned above the main content area. The main profile section features a large circular icon with a character's face, the name "Ghilas Meziane", the alias "Cheb khalas", and statistics: "102 Abonnements" and "356 Abonnés". Below this is a bio box containing the text "PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR AMSTRONG". On the right side of the screen, there is a 3D model of an astronaut in a white suit with red accents. The central part of the screen displays the "Profile" tab, which is currently active, indicated by a yellow triangle icon. Other tabs include "Entreprise" and "Réseau spatial". Below the tabs, mission modes are listed: "Toutes les missions" (selected), "Mode aventure", and "Mode réaliste". The "Missions" section shows a total count of 676 missions, with a progress bar divided into two segments: a red segment on the left labeled "52%" and a green segment on the right labeled "48%". Below the progress bar, the counts are "352 échecs" (failures) and "324 réussites" (successes). At the bottom of the screen is a navigation bar with icons for "Général" (selected), "Nouvelle mission", "Atelier", "Profil", "Entreprise", "Réseau spatial", "Map", "Chat", and "Logout".

Figure 17: P003-0

The screenshot shows the StellaStone application interface. At the top left is the user's profile picture and name, "Ghilas Meziane", with a "Editer le profil" link and a blue shield icon. A search bar with the placeholder "Rechercher..." is positioned at the top center. On the right side, there is a large 3D model of an astronaut in a white suit with red harnesses.

The main content area features a user profile for "Ghilas Meziane" (Cheb khalas). It includes a circular profile picture, the name "Ghilas Meziane", the location "Cheb khalas", and statistics: "102 Abonnements" and "356 Abonnés". Below this is a bio box with the text "PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR" and "AMSTRONG".

A navigation bar below the profile shows tabs: "Profile" (highlighted with a red arrow), "Entreprise", "Réseau spatial", "Stellas", "Statistiques", "Invitation" (highlighted in pink), and "Sauvegarde".

A notification on the left side indicates an invitation from "Idriss Benguezzou" (@zestones) dated "31 oct. 2022". The invitation message reads: "Zestones fondateur de l'entreprise einStone vous invite à le rejoindre." Below the message are two buttons: "REFUSER" and "REJOINDRE".

At the bottom, a navigation bar contains icons for "Général" (selected), "Nouvelle mission", "Atelier", "Profil", "Entreprise", "Réseau spatial", "Map", "Chat", and "Logout".

Figure 18: P004-0

The screenshot shows a user profile for Ghilas Meziane. The profile picture is a cartoon character wearing a space helmet. The name "Ghilas Meziane" and the handle "Cheb khalas" are displayed. Below the profile are statistics: "102 Abonnements" and "356 Abonnés". A bio box contains the text "PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR". A central modal window titled "INVITER UN AMIS" (Invite a friend) has a "PSEUDO" input field, an "INVITER" (Invite) button, and two smaller buttons: "REFUSER" (Refuse) and "REJOINDRE" (Join). At the bottom of the modal is a "INVITER DES AMIS" (Invite friends) button. The background features a large 3D model of a person in a white space suit with red accents. The navigation bar at the bottom includes icons for General (selected), New mission, Workshop, Profile, Enterprise, Space network, Map, Chat, and Logout.

Figure 19: P004-1

The screenshot shows the StellaStone application's profile page for a user named Ghilas Meziane. The interface has a dark theme with a maroon header.

User Profile:

- Profile picture: Ghilas Meziane
- Name: Ghilas Meziane
- Location: Cheb khalas
- Followers: 102 Abonnements
- Following: 356 Abonnés
- Bio: PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR
AMSTRONG

Saved Games:

- Apollo** (Mode Entreprise Réaliste) - Date: 31 oct. 2022
- Noujoum** (Mode Solo Aventure) - Date: 31 oct. 2022

Buttons:

- Profile (highlighted)
- Entreprise
- Réseau spatial
- Stellas
- Statistiques
- Invitation
- Sauvegarde (highlighted)
- CHARGER LA SAUVEGARDE
- LIRE LE RAPPORT

Bottom Navigation Bar:

- Général (highlighted)
- Nouvelle mission
- Atelier
- Profil
- Entreprise
- Réseau spatial
- Map
- Chat
- Logout

A large 3D model of an astronaut in a white suit with red accents is positioned on the right side of the profile page.

Figure 20: P005-0

The screenshot shows the StellaStone user profile interface. At the top left is the user's profile picture (Ghilas Meziane), name, and edit link. A search bar is positioned above a central circular area containing an astronaut's head inside a helmet. Below this is a "CHANGER AVATAR" button. To the right is a 3D model of an astronaut in a suit. On the left, under the heading "PARAMÈTRES", are sections for "Infos Utilisateur" (selected), "Mot de passe", and "Données et stockage". Below these are fields for "NOM" and "PRÉNOM" (both empty), and a "PSEUDO" field (empty). A note states: "APRÈS AVOIR CHANGÉ VOTRE NOM D'UTILISATEUR, VOTRE ANCIEN NOM D'UTILISATEUR DEVIENT DISPONIBLE POUR TOUTE AUTRE PERSONNE.". An "EMAIL" field is also present. At the bottom center is a blue "METTRE À JOUR" button. The footer features a navigation bar with icons for Général (selected), Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

Ghilas Meziane

Editor le profil

Rechercher...

CHANGER AVATAR

À PROPOS DE MOI...

PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR
AMSTRONG

NOM

PRÉNOM

PSEUDO

APRÈS AVOIR CHANGÉ VOTRE NOM D'UTILISATEUR, VOTRE ANCIEN NOM D'UTILISATEUR DEVIENT DISPONIBLE POUR TOUTE AUTRE PERSONNE.

EMAIL

METTRE À JOUR

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 21: P006-0

Ghilas Meziane

Editer le profil

Rechercher...

PARAMÈTRES

Infos Utilisateur

Mot de passe

Données et stockage

ANCien MOT DE PASSE

NOUVEAU MOT DE PASSE

CONFIRMER NOUVEAU MOT DE PASSE

METTRE À JOUR

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 22: P007-0

The screenshot shows the StellaStone application's profile page. At the top left is the user's profile picture and name, "Ghilas Meziane", with a "Edit le profil" link and a blue and white rank icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned above a central profile area. This central area features a large circular "Avatar" button with a user icon, a "CHANGER AVATAR" button below it, and a 3D model of a white spacesuit with red accents on the right.

PARAMÈTRES

Infos Utilisateur
Mot de passe
▶ Données et stockage

COMPTE PRIVEE
ATTENTION , SEUL VOS ABONÉS AURONT ACCÈS À VOTRE PROFILE.

SUPPRIMER DONNÉES
ATTENTION , LA SUPPRESSION DE VOS DONNÉES EST IRRÉVERSIBLE.

SUPPRIMER COMPTE
ATTENTION , LA SUPPRESSION DE VOTRE COMPTE EST IRRÉVERSIBLE.

General Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 23: P008-0

5 ENTREPRISE

The screenshot shows the StellaStone application interface. At the top left, there is a user profile for "Ghilas Meziane" with a "Edit profile" button and a rank icon. A search bar is located at the top center. On the left side, there is a sidebar with navigation links: "Profile" (selected), "Profile", "Entreprise" (highlighted with a red arrow), and "Réseau spatial". The main content area features a 3D model of an astronaut in a white suit with red accents. To the left of the astronaut, there is a circular profile picture of Ghilas Meziane with the name "Ghilas Meziane" and "Cheb khalas" below it. A text box contains the message "PASSIONNÉ D'ESPACE, JE SUIS LE FUTUR AMSTRONG". Below this, a message says "Vous n'appartenez à aucune entreprise ?" with two buttons: "CREER MON ENTREPRISE" (in a red box) and "REJOINDRE UNE ENTREPRISE". At the bottom, a navigation bar includes icons for Général, Nouvelle mission, Atelier, Profil, Entreprise (selected), Réseau spatial, Map, Chat, and Logout.

Figure 24: E000-0

The screenshot shows a dark-themed user interface for the StellaStone platform. At the top left is a user profile for "Ghilas Meziane" with a "Editer le profil" link and a military-style rank icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned above a circular emblem featuring an eye and Latin text. Below the emblem is a pink button labeled "AJOUTER UN LOGO...". On the right side of the screen is a 3D rendering of an astronaut in a white suit with red accents. The main content area includes a sidebar with navigation links: "Profile" (selected), "Profile", "▶ Entreprise" (selected), and "Réseau spatial". A section titled "À PROPOS DE L'ENTREPRISE..." contains a box with the text "EXPLORONS L'ESPACE COMME JAMAIS PERSONNE NE LA ENCORE FAIT !". Below this are fields for "NOM" (name) and "PAYS" (country). The "PAYS" field is a dropdown menu with options: "CHINE", "ETATS-UNIS", and "RUSSIE". At the bottom is a pink button labeled "CREER MON ENTREPRISE". The footer features a navigation bar with icons for Général, Nouvelle mission, Atelier, Profil, Enterprise (selected), Réseau spatial, Map, Chat, and Logout.

Figure 25: E001-0



Ghilas Meziane

[Editer le profil](#)



Profile

Profile

▶ **Entreprise**

Réseau spatial

Nom Entreprise	Fondé le	Pays	Membres	Missions	Rang
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1
Novus	03/10/22	France	4	1234	1



[Général](#)[Nouvelle mission](#)[Atelier](#)[Profil](#)[Entreprise](#)[Réseau spatial](#)[Map](#)[Chat](#)[Logout](#)

Figure 26: E002-0

The screenshot shows the StellaStone game interface. At the top left is the player's profile picture and name, "Ghilas Meziane", with a "Edit profile" button. A search bar with the placeholder "Rechercher..." is positioned above a "SPACE X" logo featuring a hand pointing upwards and the text "EXPLORONS L'ESPACE COMME JAMAIS PERSONNE NE LA ENCORE FAIT !". A blue button labeled "REJOINDRE L'AVENTURE" is next to the logo. On the right, a 3D model of an astronaut in a white suit with red accents is shown floating.

Profile

Profile Entreprise Réseau spatial

Statistiques Membres

Toutes les missions Mode aventure Mode réaliste

Missions

676

- 52% **+ 48%**

352 échecs 324 réussites

At the bottom is a navigation bar with icons for Général, Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout. The "Général" tab is currently selected.

Figure 27: E003-0

The screenshot shows the StellaStone game interface. At the top left is the player's profile picture and name, "Ghilas Meziane", with a "Edit profile" button and a blue and white rank icon. A search bar with the placeholder "Rechercher..." is positioned above a circular emblem. The emblem features a central eye and the Latin motto "NOVUS ORDO SEQUITUR" and "AVANTUIT COEPI". To the right of the emblem is a banner with the text "EXPLORONS L'ESPACE COMME JAMAIS PERSONNE NE L'A ENCORE FAIT !". Below the emblem is the word "NOVUS". On the right side of the screen, a 3D model of an astronaut in a white suit with red accents is shown floating in space.

Profil

Profil ▶ Entreprise Réseau spatial

Statistiques Membres Administration

Toutes les missions Mode aventure Mode réaliste

Missions

676

52% + 48%

352 échecs 324 réussites

General Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 28: E004-0

The screenshot shows the StellaStone application interface. At the top left is the user profile of Ghilas Meziane, with an edit button and a rank icon. A search bar is positioned at the top center. To the right is a circular logo for the club "NOVUS" featuring an eye and Latin text: "NOVUS ORDO SEQUITUR" and "AVANTUIT COEPI". Below the logo is a banner with the text "EXPLORONS L'ESPACE COMME JAMAIS PERSONNE NE LA ENCORE FAIT !". On the right side of the screen is a 3D rendering of an astronaut in a white suit with red accents.

Profile

Profile
▶ Entreprise
Réseau spatial

Statistiques **Membres** **Administration**

Rank	User	Status	Score
1.	Ghilasinho	●	676
2.	zestones	●	598
3.	mamio	●	325
4.	rarename	●	863

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Figure 29: E004-1

Ghilas Meziane

Editer le profil

Rechercher...

A PROPOS DE L'ENTREPRISE...

EXPLORONS L'ESPACE COMME JAMAIS
PERSONNE NE LA ENCORE FAIT !

CHANGER DE LOGO

Profile

Profile

► Enterprise

Réseau spatial

Statistiques

Membres

Administration

MISE A JOURS DES DONNEES

ENTREPRISE PRIVEE

NOM DE L'ENTREPRISE

NOVUS

APRÈS AVOIR CHANGÉ VOTRE NOM, VOTRE ANCIEN NOM DEVIENT DISPONIBLE POUR TOUTE AUTRE PERSONNE.

METTRE À JOUR

DISSOUDRE ENTREPRISE

ATTENTION , LA DISSOLUTION DE L'ENTREPRISE EST IRRÉVERSIBLE.

Général

Life

Comms

Prop

Mech

Power

Avionics

GNC

Thermal

Figure 30: E005-0

The screenshot shows the StellaStone game interface. At the top left is the player's profile picture and name, "Ghilas Meziane", with a "Edit profile" button and a rank icon. A search bar is located at the top center. On the right side, there is a large 3D model of an astronaut in a white suit with red harnesses, floating in space.

Profile

Profile ▶ **Entreprise** Réseau spatial

Statistiques Membres

Toutes les missions Mode aventure Mode réaliste

Missions

676

- 52% **+ 48%**

352 échecs 324 réussites

At the bottom, a navigation bar includes icons for General (selected), New mission, Workshop, Profile, Company, Space network, Map, Chat, and Logout.

Figure 31: E005-1

6 RESEAU SPATIAL

The screenshot shows the StellaStone application interface. At the top left is the user's profile picture (Ghilas Meziane) and name, with an "Edit profile" button and a blue star icon. A search bar with a magnifying glass icon and placeholder text "Rechercher..." is positioned at the top center. On the right side, there is a large, detailed 3D rendering of an astronaut in a white spacesuit with red accents, floating in space near a planet.

Mon Profile

- Profile
- Entreprise
- Réseau spatial

POSTER

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Vous avez restellas

Idriss Benguezzou @zestones 31 oct. 2022

Nouvelle mission pour l'entreprise Novus, décollage Lundi 07 Novembre ! Direction la planète Mars !!

Ghilas Meziane @cheb_khalass 27 oct. 2022

Je vous partage une très belle image, prise lors de ma mission chmitta 3, qui a eu lieu il y a deux jours.

329 142 1 253

Figure 32: R000-0

The screenshot shows the StellaStone application interface. At the top left is the user profile of Ghilas Meziane, featuring a circular icon with a portrait, the name "Ghilas Meziane", and a "Editer le profil" link. Next to it is a blue shield-like icon with three stars. A search bar with a magnifying glass icon and the placeholder "Rechercher..." is positioned above the main content area.

The main content area displays a post by Idriss Benguezzou (@zestones) dated 31 oct. 2022. The post includes a caption: "Vous avez restellas Nouvelle mission pour l'entreprise Novus, décollage Lundi 07 Novembre ! Direction la planète Mars !!". Below the caption is a large image of Mars against a starry background. Interaction metrics are shown: 329 comments, 142 shares, and 1 253 likes.

A modal window is overlaid on the post, containing two options: "Supprimer le stellas" (Delete stellas) with a red X icon and "Masquer le stellas" (Hide stellas) with a speaker icon.

On the left side of the screen, there is a sidebar titled "Mon Profile" with links for "Profile", "Entreprise", and "Réseau spatial" (highlighted with a pink arrow). Below this is a "POSTER" button with a blue circle and a white plus sign.

At the bottom of the screen is a navigation bar with several icons: Général (selected), Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout.

A large, detailed 3D model of an astronaut in a white spacesuit with red accents is visible on the right side of the screen, set against a dark space background.

Figure 33: R001-0

The screenshot shows the StellaStone application interface. At the top left is the user profile of Ghilas Meziane, with an edit button and a rank icon. A search bar is centered at the top. On the right, there is a large 3D model of an astronaut in a white suit with red accents, floating in space.

Mon Profile

Profile Entreprise Réseau spatial

POSTER

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Vous avez restellas
Idriss Benguezzou
@zestones

Nouvelle mission pour l'entreprise N
Direction la planète Mars !!

329 142 1 253

Mohammed Rouabah
@mamio

Je vous partage une très belle image, prise lors de ma mission chmitta 3,
qui a eu lieu il y a deux jours.

Figure 34: R001-I

The screenshot shows the StellaStone application interface. At the top left is the user profile of Ghilas Meziane, featuring a circular icon with a brown-skinned male face, the name "Ghilas Meziane", and a rank insignia consisting of three stars. Below the profile is a search bar with the placeholder "Rechercher...". On the right side of the screen, there is a 3D model of an astronaut in a white suit with red accents, standing with arms slightly outstretched.

The main content area displays a user profile for "Ghilas Meziane" with the subtitle "Cheb khalas". Below this is a large, semi-transparent modal window titled "CREER UN PUBLICATION" (Create a Publication). The modal contains a text input field labeled "QUOI DE NEUF ?" (What's new?). At the bottom of the modal are two buttons: "IMPORTER DES FICHIERS IMAGE OU VIDEO" (Import image or video files) and "CHOISIR UN FICHIER" (Select file), followed by a blue "PUBLIER" (Publish) button.

On the left side of the screen, there is a sidebar with navigation links: "Profile" (selected, indicated by a red arrow), "Entreprise", and "Réseau spatial". At the bottom left is a blue circular button with a white plus sign and the text "POSTER". The bottom navigation bar includes icons for "Général" (selected), "Nouvelle mission", "Atelier", "Profil", "Entreprise", "Réseau spatial", "Map", "Chat", and "Logout". A small thumbnail of a space-themed image is visible at the bottom center, along with interaction metrics: 329 comments, 142 shares, and 1 253 likes.

Figure 35: R002-0

The screenshot shows the StellaStone application interface. At the top left is the user profile of Ghilas Meziane, with an edit link and a rank icon. A search bar is centered at the top. A modal window titled "Vous avez restellas Idriss Benguezzou" is open, showing 329 comments. The comments section includes a text input field, a publish button, and a list of comments from users Ghilas Meziane, Mohammed Rouabah, Ilyes Zeghdallou, and Ilyes Zeghdallou. Below the modal is a large 3D model of an astronaut in a white suit with red accents, floating in space. The main navigation bar at the bottom includes links for Général, Nouvelle mission, Atelier, Profil, Entreprise, Réseau spatial, Map, Chat, and Logout. A "POSTER" button with a plus sign is located on the left side.

Mon Profile

Profile

Entreprise

Réseau spatial

POSTER

Général Nouvelle mission Atelier Profil Entreprise Réseau spatial Map Chat Logout

Rechercher...

Vous avez restellas
Idriss Benguezzou

31 oct. 2022

329 Commentaires

Ajouter un commentaire...

Publier

Ghilas Meziane
Uttricies ultricies interdum dolor sodales. Vitae feugiat vitae quis id consectetur. Aenean urna, lectus enim suscipit eget. Tristique bibendum nibh enim dui.
12 · 1 · 20h

Mohammed Rouabah
Lorem fringilla pretium magna purus orci faucibus morbi.
12 · 0 · 20h

Ilyes Zeghdallou
Donec sed sed feugiat sit. Enim, urna euismod magna enim. Sit cras eget id sagittis consequat at.
12 · 0 · 20h

Ilyes Zeghdallou
Donec sed sed feugiat sit. Enim, urna euismod magna enim. Sit cras eget id sagittis consequat at.
12 · 0 · 20h

3D Astronaut Model

Figure 36: R003-0

7 CARTE DU MONDE

StellaStone



Figure 37: C000-0



Figure 38: C000-1



Figure 39: C000-2

8 CONSTRUCTION DE LA FUSÉE

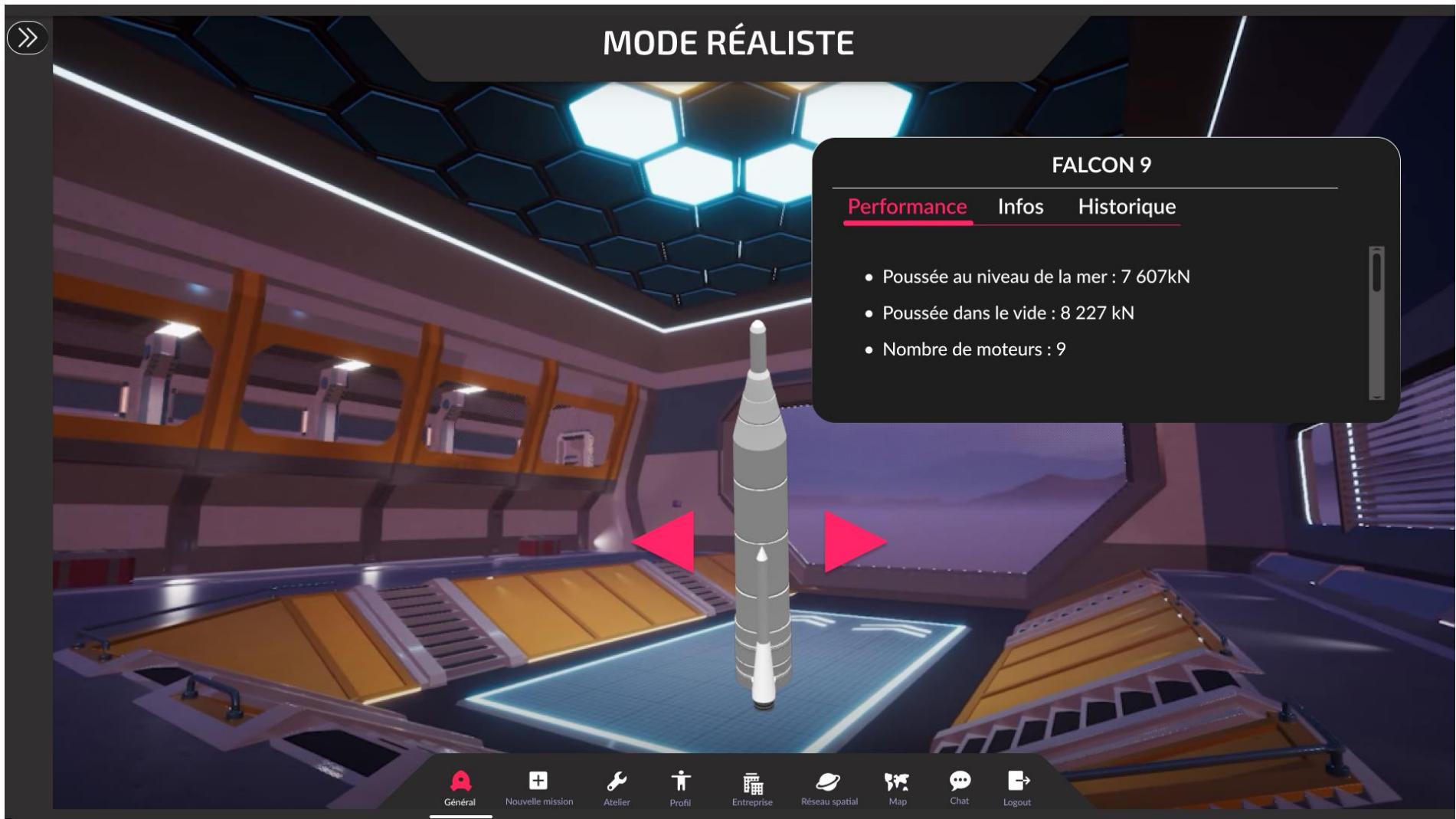


Figure 40: F000-0

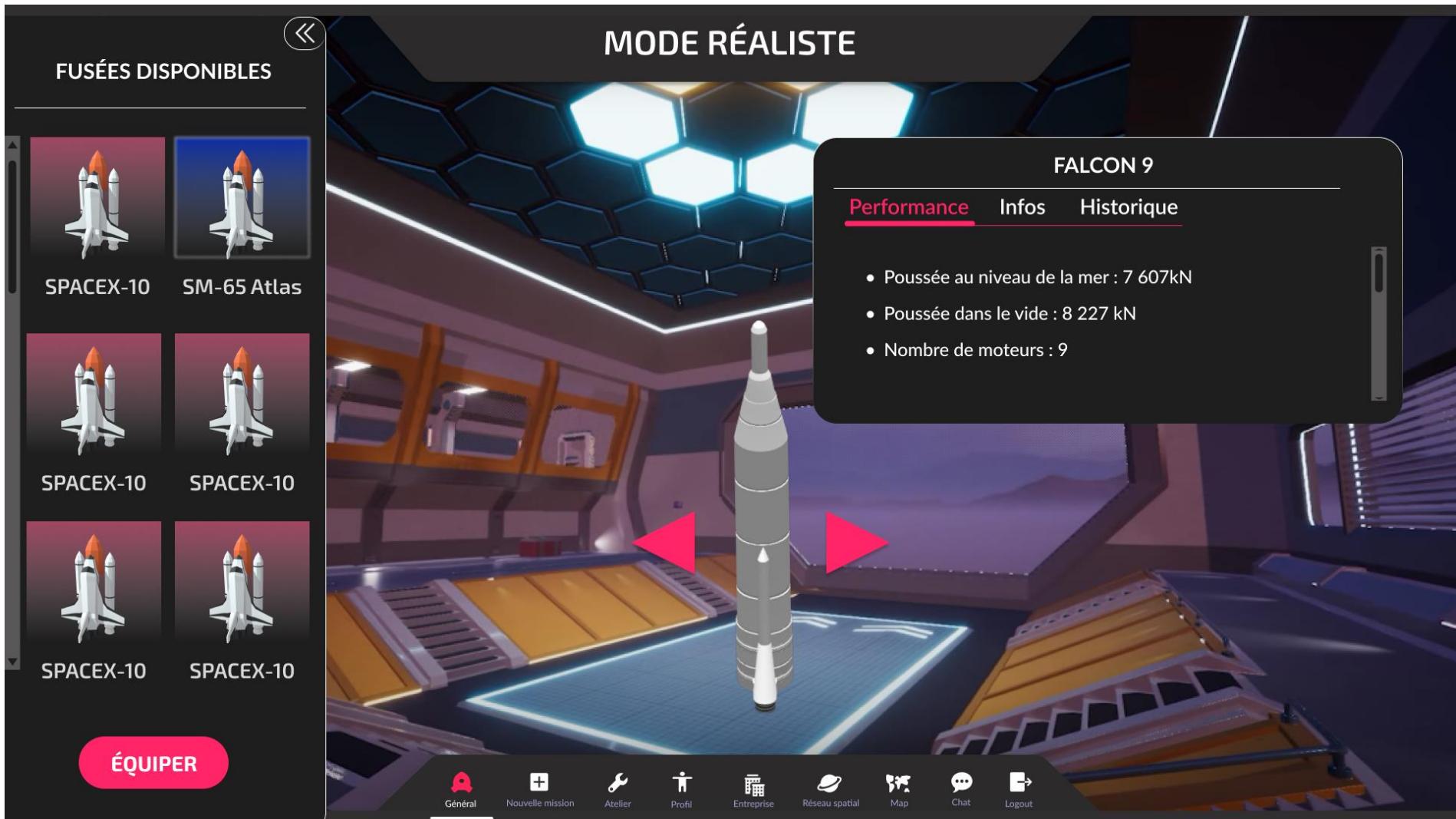


Figure 41: F000-1

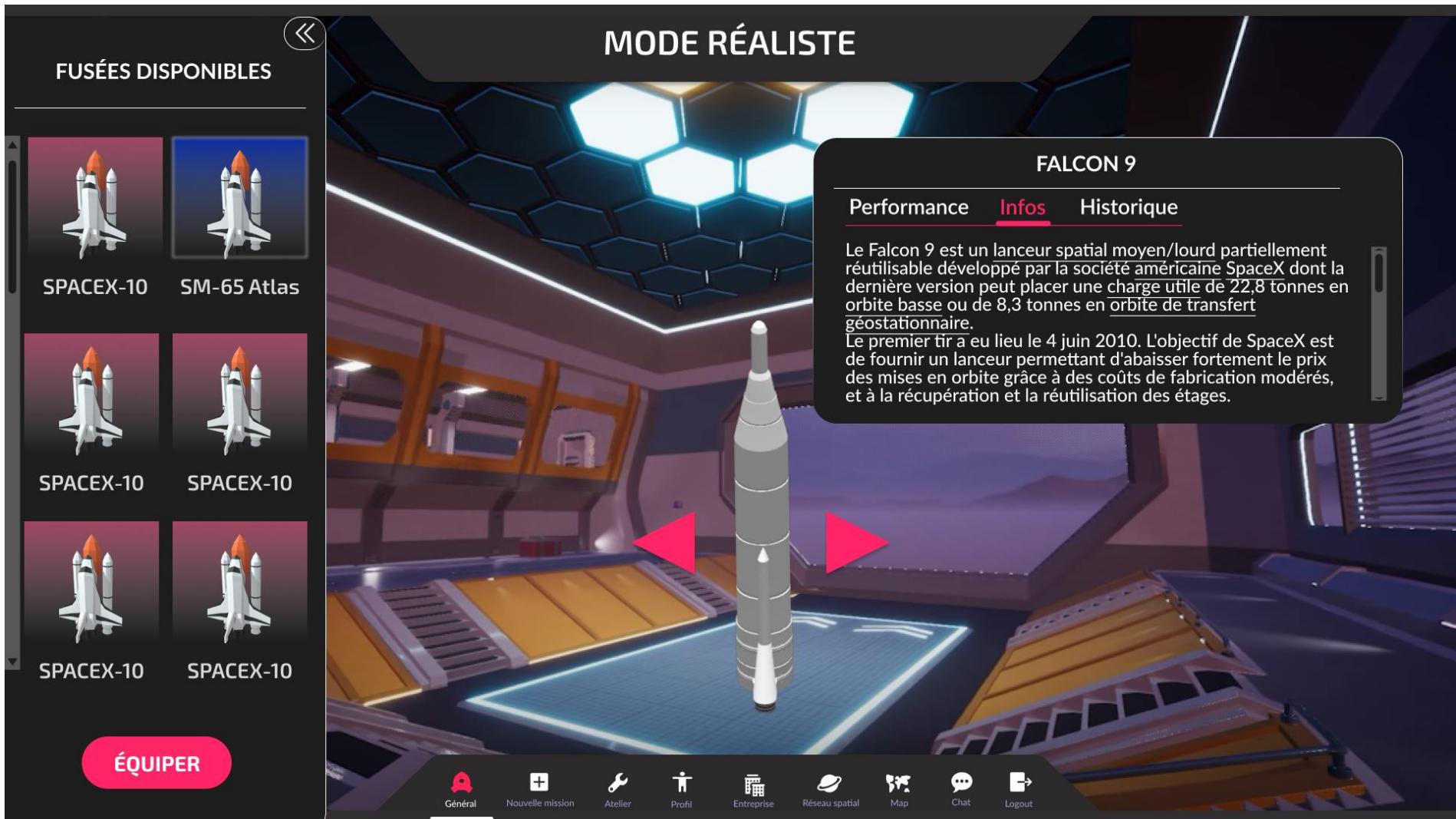


Figure 42: F000-2

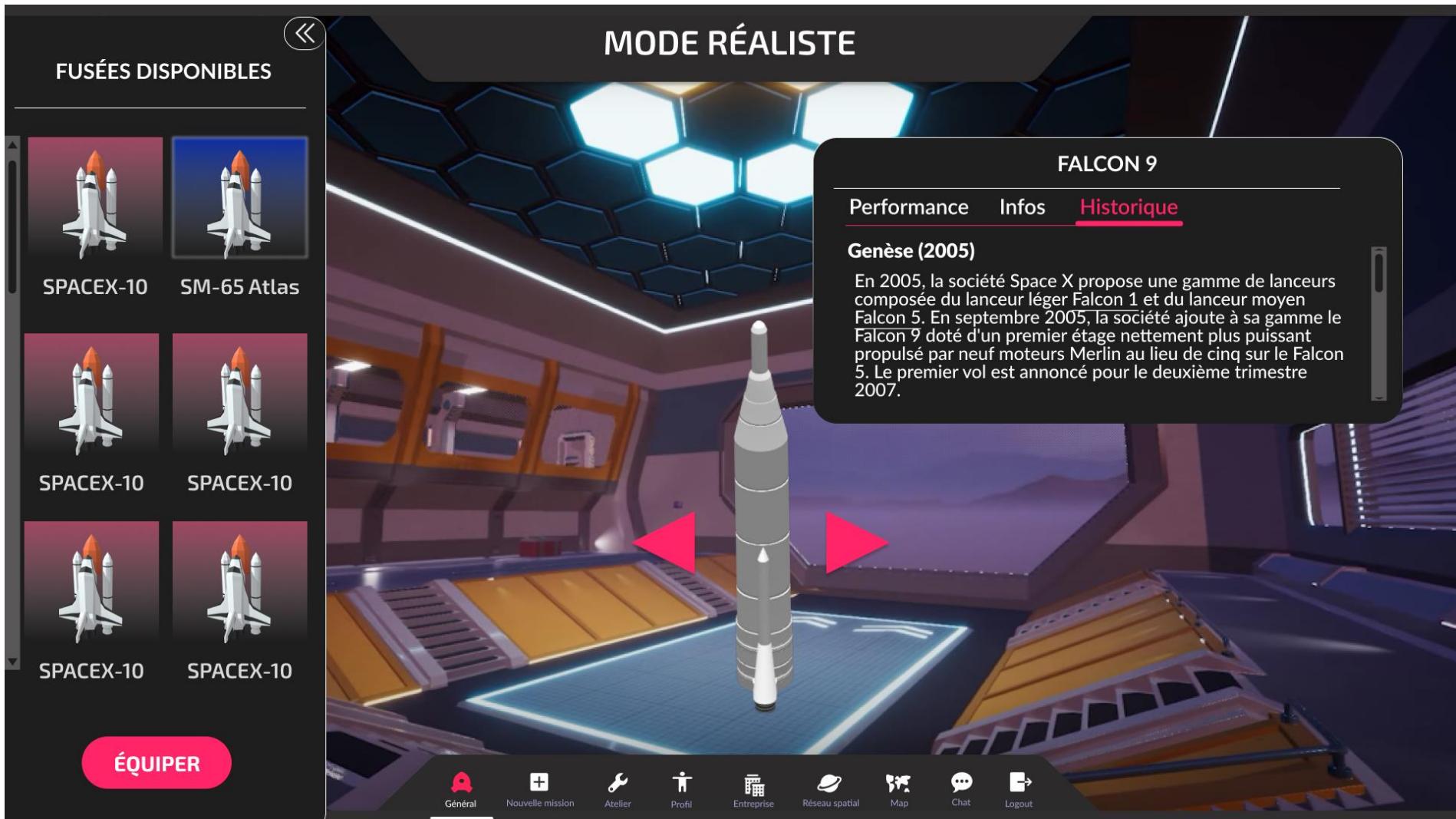


Figure 43: F000-3

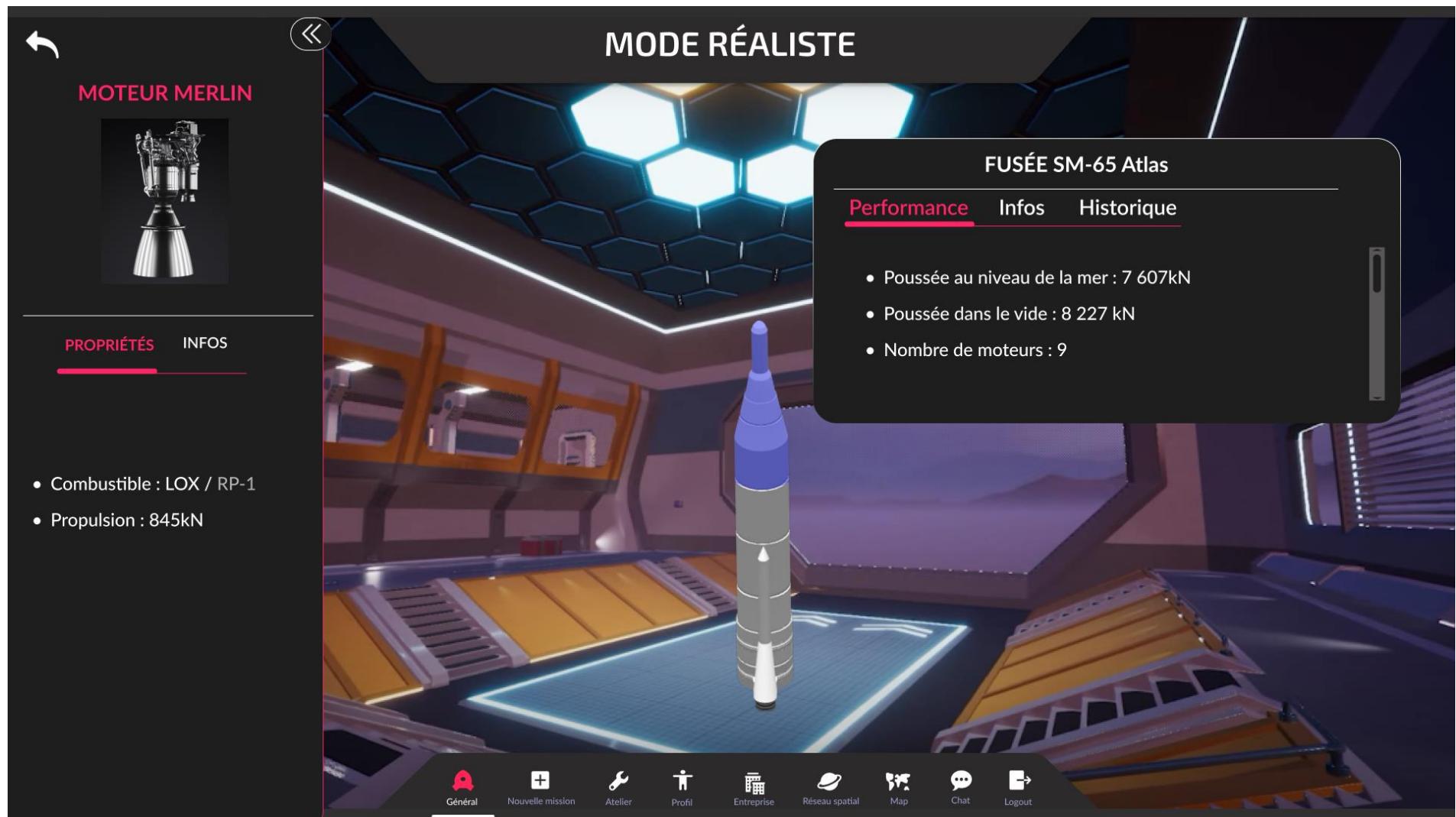


Figure 44: F001-0

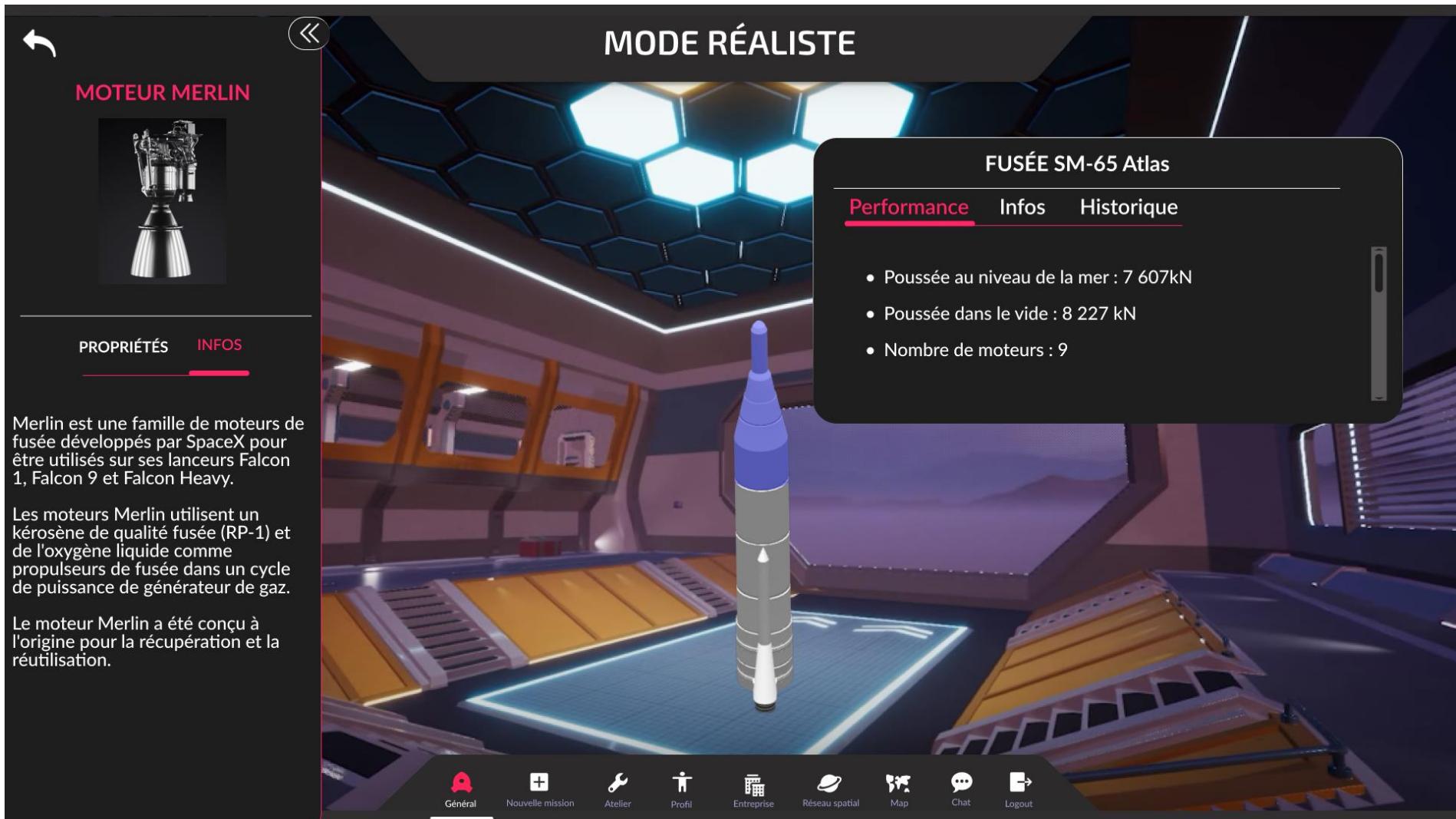


Figure 45: F001-1

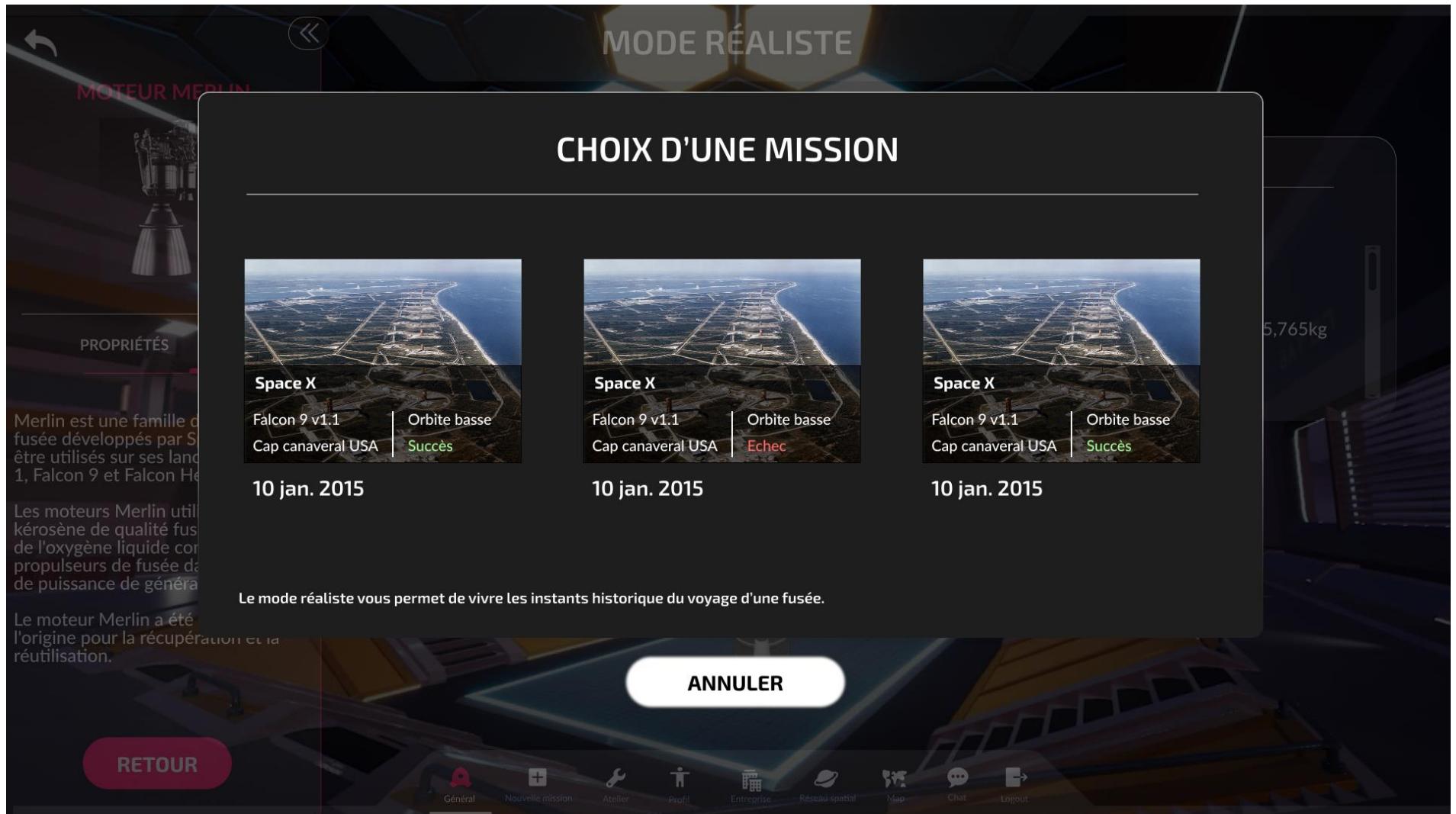


Figure 46: F002-0

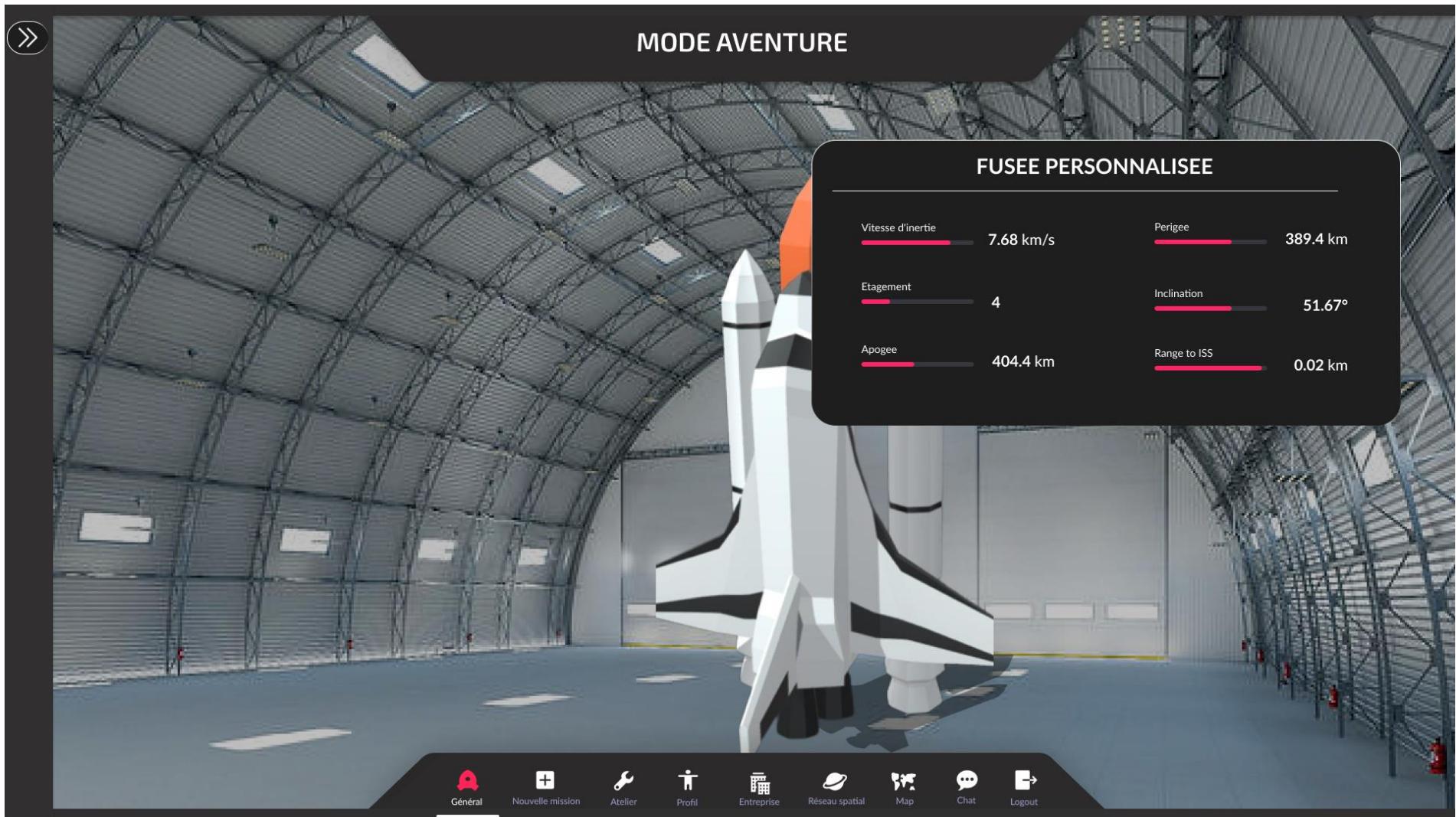


Figure 47: F003-0

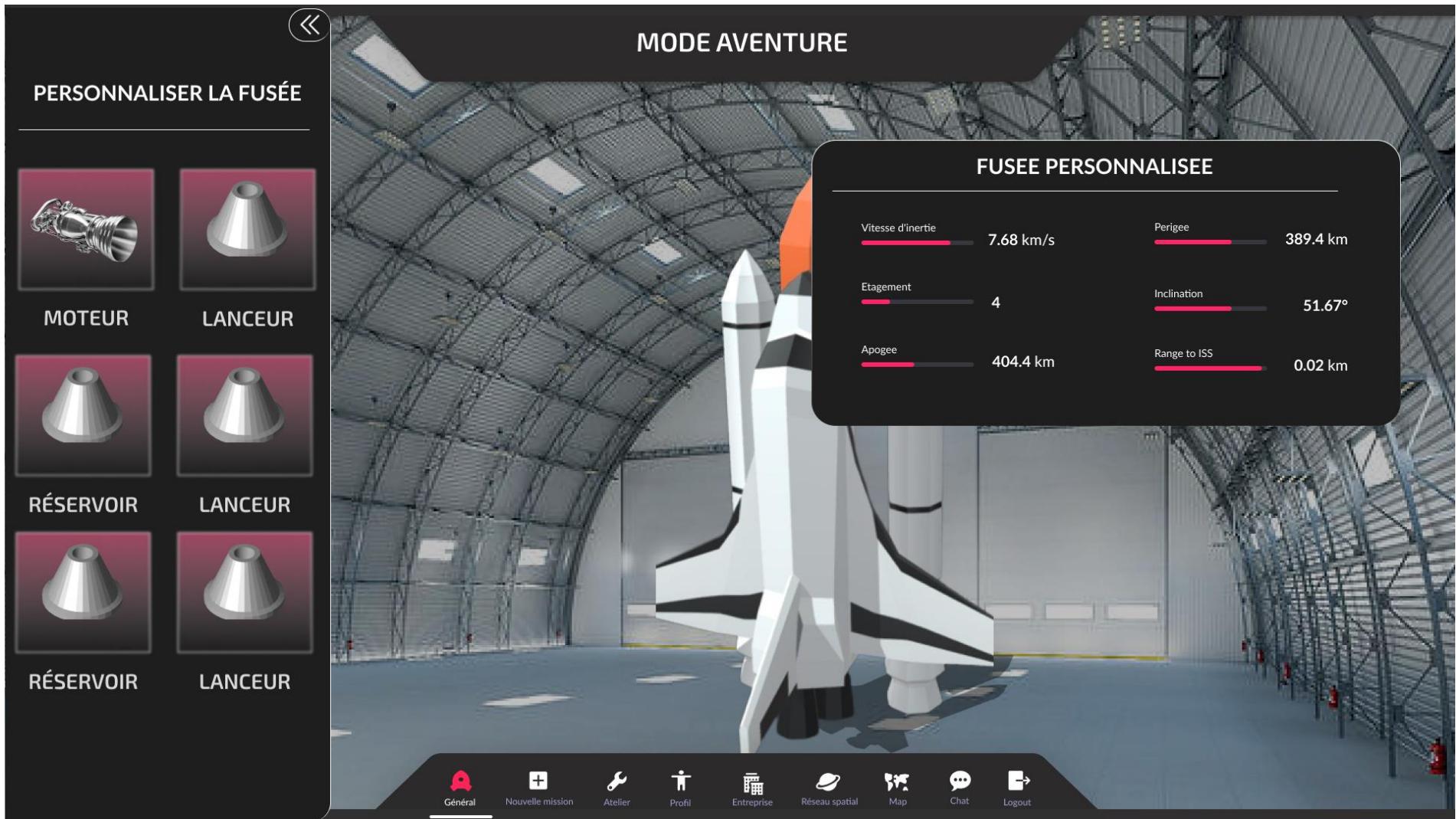


Figure 48: F003-1

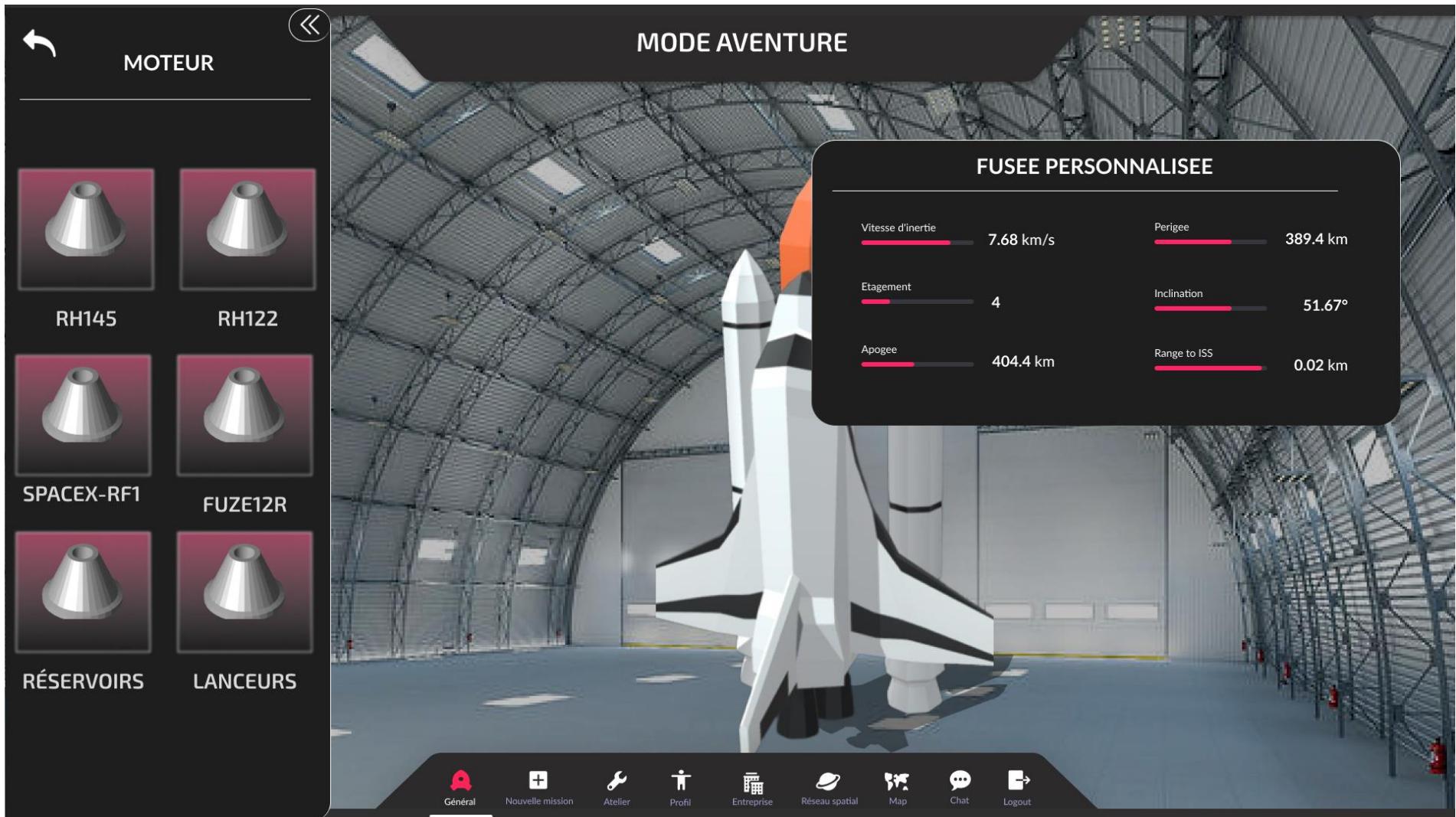


Figure 49: : F004-0

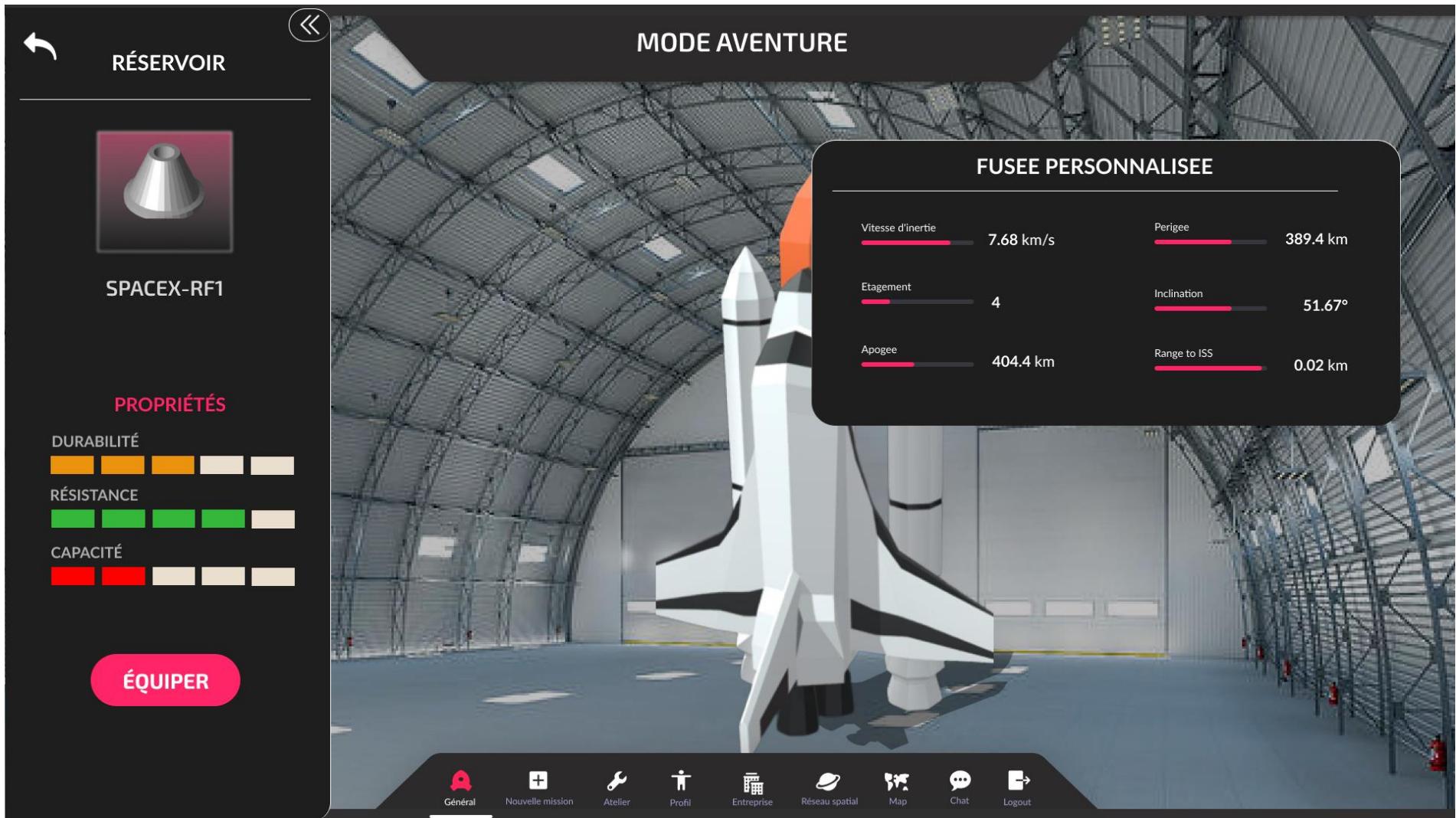


Figure 50: F005-0

9 RÉALISATION DE LA MISSION

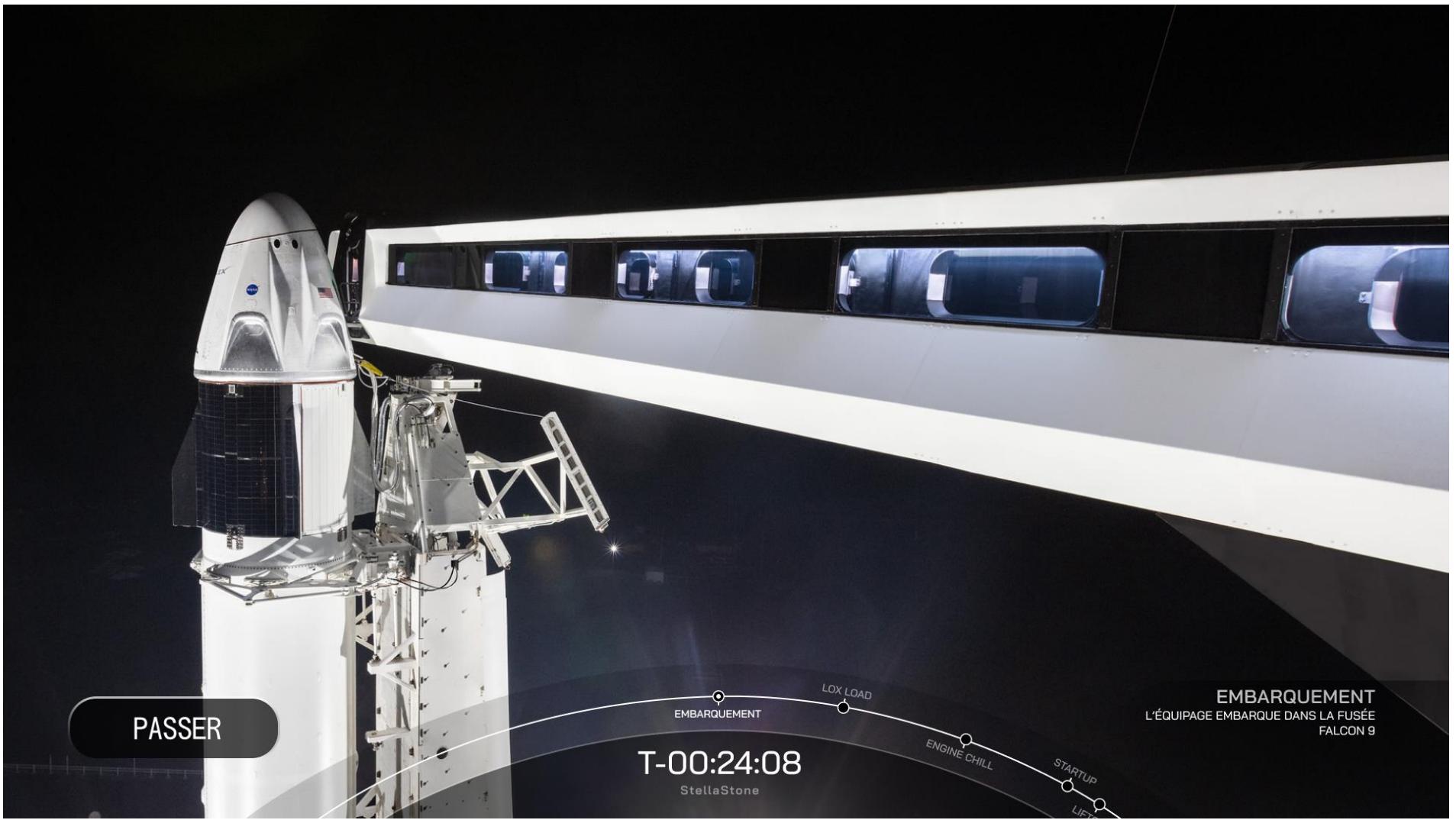


Figure 51: V001-0

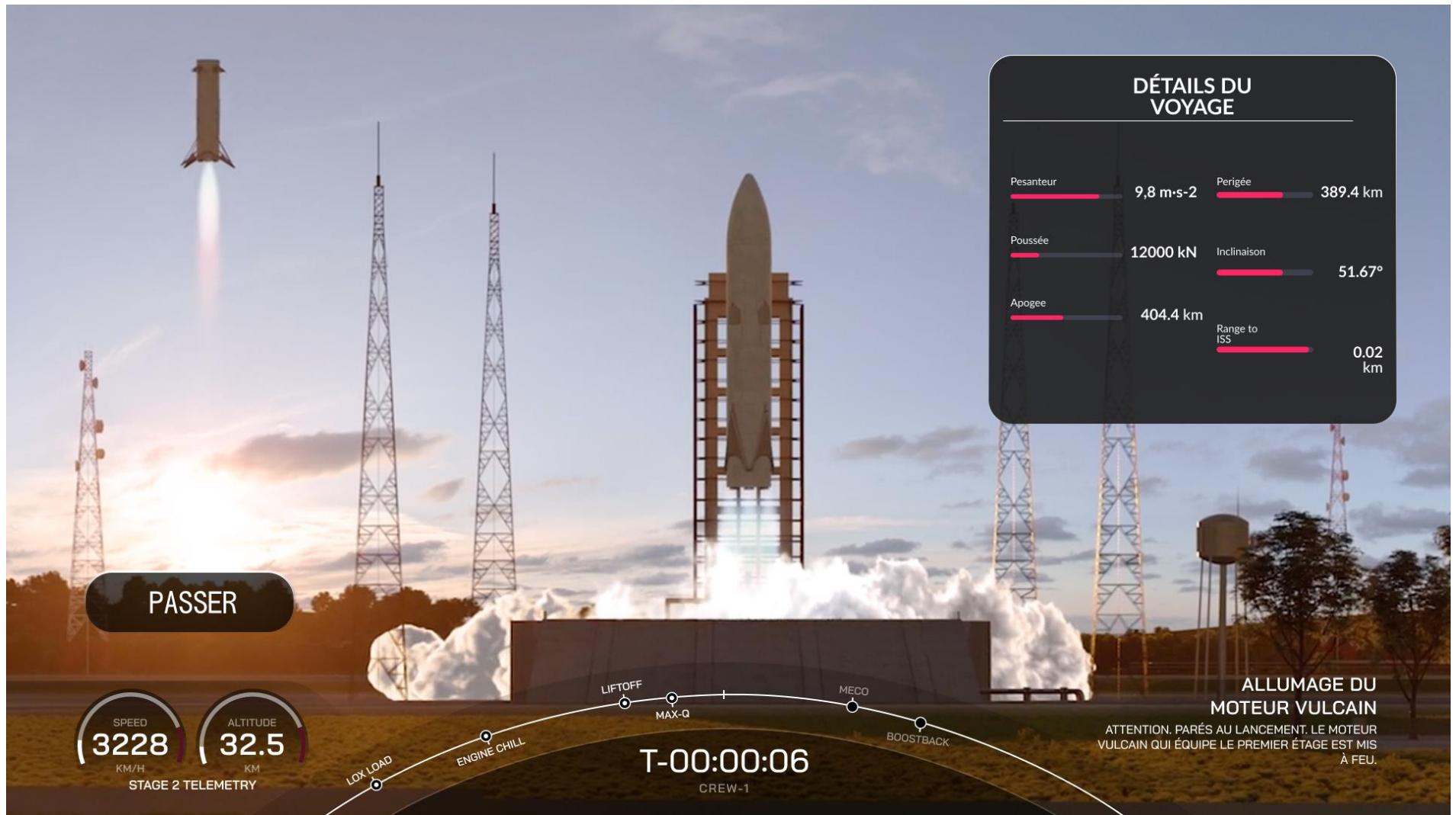


Figure 52: V001-1



Figure 53: V001-2

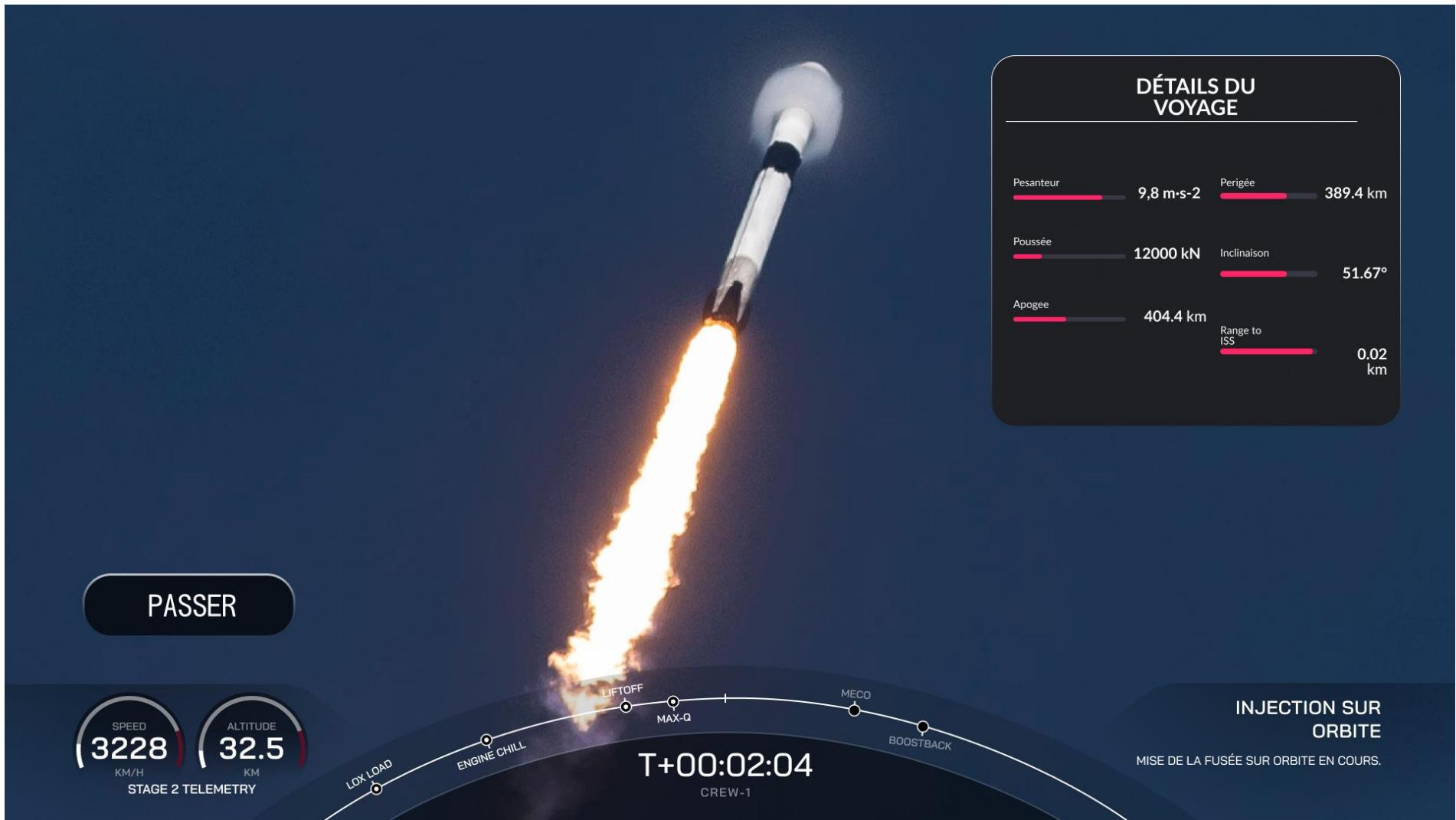


Figure 54: V001-3



Figure 55: V001-4

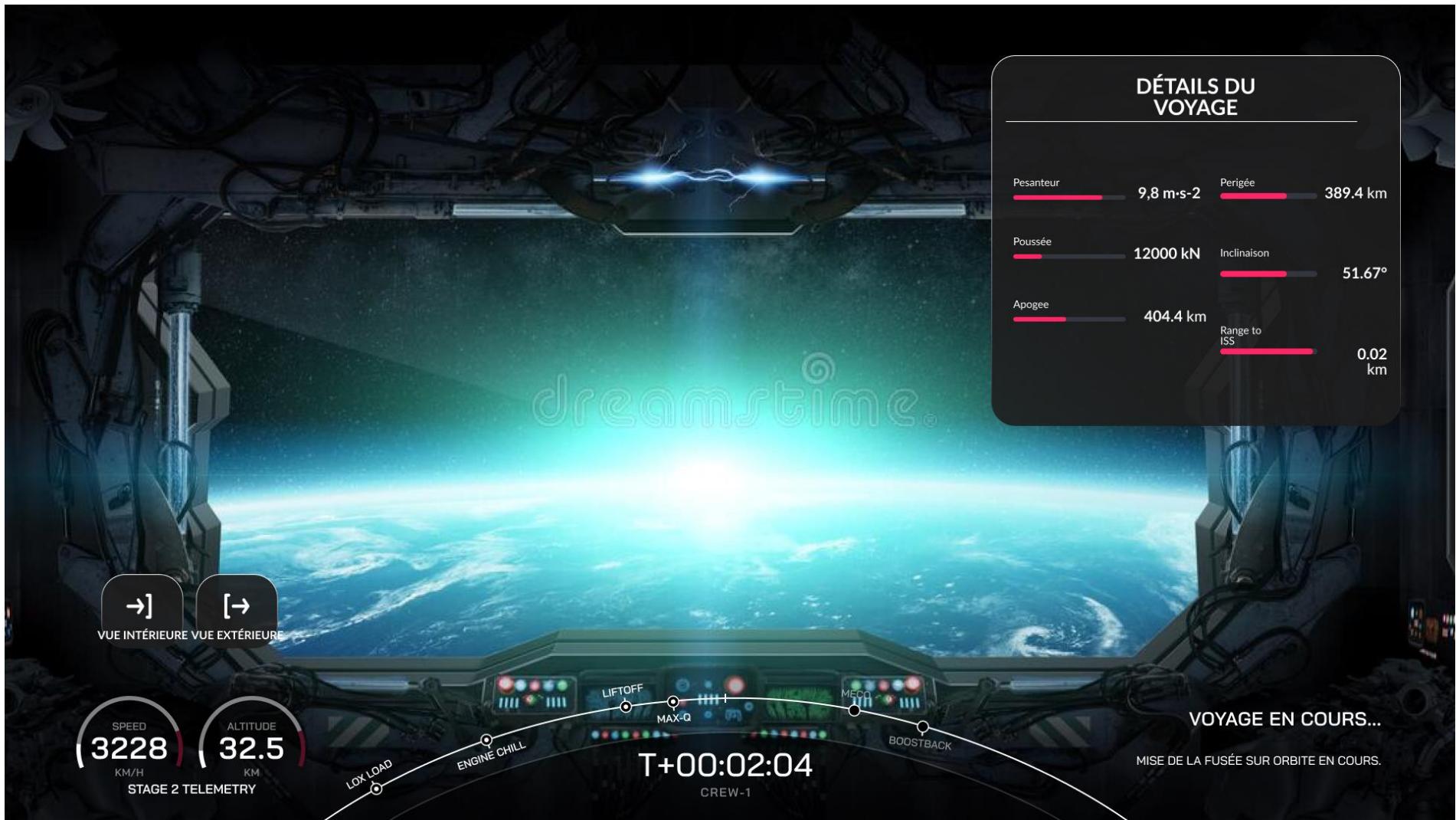


Figure 56: V001-5

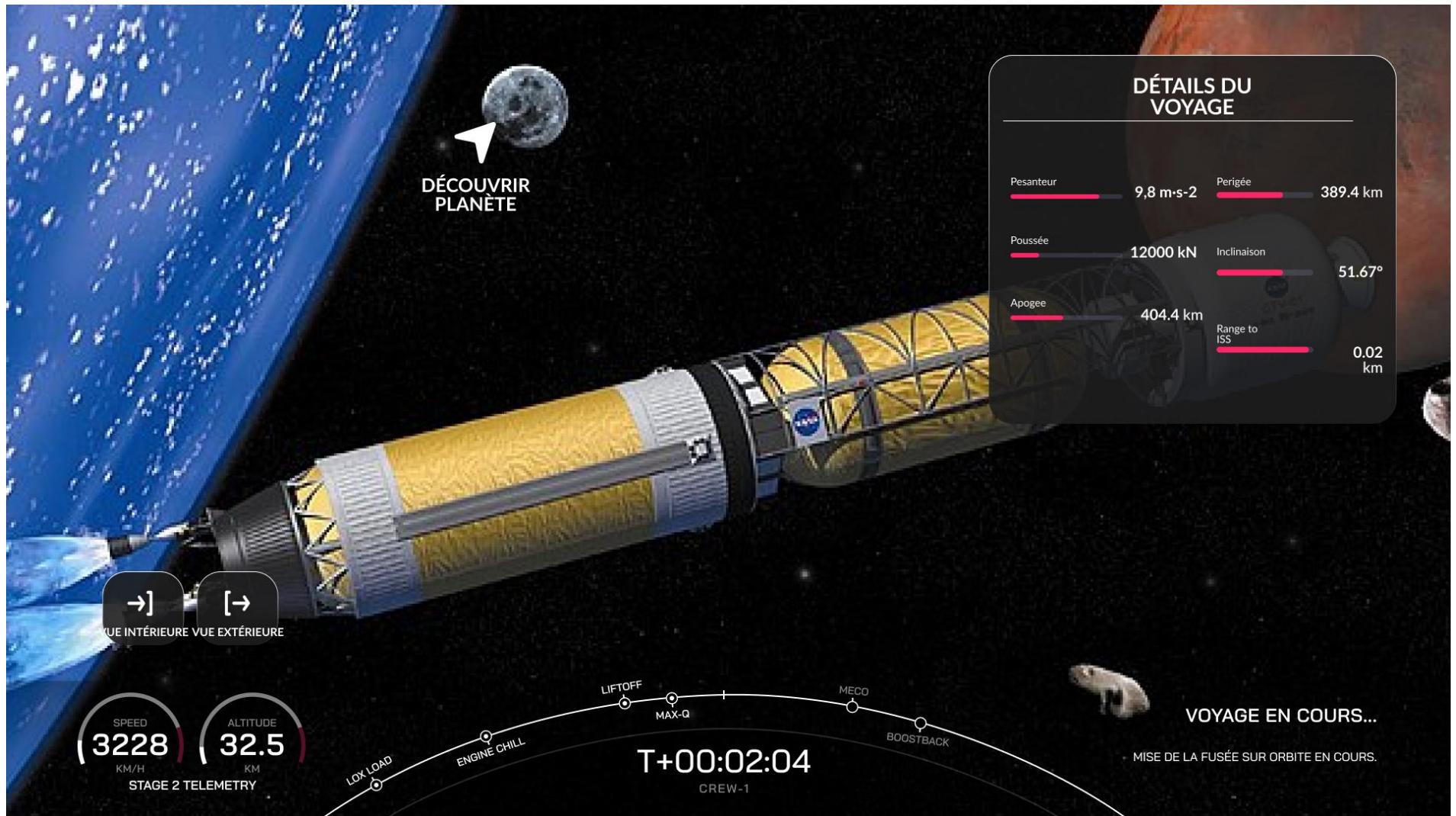


Figure 57: V001-6



Figure 58: V001-7



Figure 59: V001-8