



User’s Manual

Rev. 2 – November 27, 2024

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1. INTRODUCTION

1.1 Objective

This manual is intended to show how to use the E-Tools system.

The E-Tools System receives uploads with the fleet data, as FH/FC and AOG Cases. The system provides reliability management information about the fleet, helping with the decision-making. It is a Software that aims the information integration from several sources, to allow statistical analysis, besides the visibility of the fleet and reliability, to assist the areas on the contextualization of the technical problems. The E-Tools presents information about line report, flight hours and cycles, Field Reports, removals, visibilities of the fleet, AOGs and other functions that assist the knowledge about the aircraft.

2. ACRONYMS AND ABBREVIATIONS

ACFT	Aircraft
AOG	Aircraft on Ground
ATA	Numbering system which references for aircraft documentation.
CSI	Cycle since Installed
FC	Flight cycles
FSR	Field support representative
FH	Flight Hours
PN	Part Number
PPV	Preparação para Voo
SN	Serial Number
TSI	Time since Installed

3. RECOMMENDED BROWSERS

The following browser is recommended for a better experience:

- Google Chrome

4. HOW TO ACCESS E-TOOLS

To access E-Tools, you must go <https://e-tools.herokuapp.com/login.html> and click in Log in. If you already have access, you will be logged in automatically.



Figure 1 – E-Tools Log in Page.

If you don't have access, you can request in the Sing Up page.

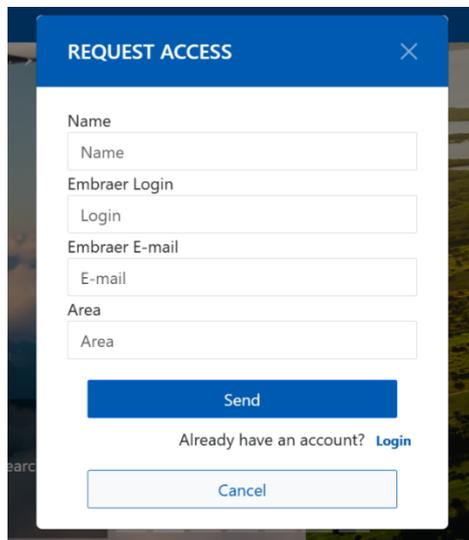


Figure 2 - E-Tools Sign Up Page.

After you login, the home page will appear immediately.



Figure 3 – E-Tools Home Page.

5. E-TOOLS SECTIONS



Figure 4 – E-Tools navbar.

Navbar – In this section of the system, the user shall be able to see links of the key feature as AHEAD, DMC and Salesforce. It can also log out, access the etools user manual and the sidebar.

Links - Where there are links to some tools. PS Indicators, DMC, EFPR, Ahead, PS Cockpit, CAMP, Salesforce, eRepair, eSight, RTS Daily Performance and useful links in SharePoint.

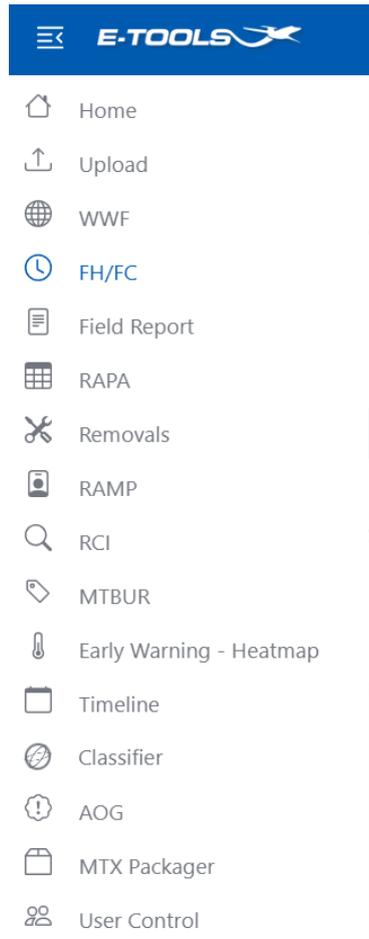


Figure 5 – E-Tools sidebar.

Home - The main section shows the user all the features of the application

Upload - This section is where the upload of the content for each program is made. The uploaded file can be a Field Report which will be classified later in the section Classifier, a Removal or FH/FC file.

WWF - It allows the visualization of all the information about the fleet.

FH/FC - Provides details about the flight hours and cycles of each according to its family.

Field Report - Show reports about monthly problems in aircraft in the field.

RAPA - Responsible for proving an Aircraft on Ground (AOG) indicator reported per Flight Cycle (FC) of each program.

Removals - Provides detailed information about the pieces that are removed on the aircraft by program, unscheduled and scheduled.

RAMP - It creates and sends reports for each supplier.

RCI – It creates a table visualization with ACFT pieces information, for each SN of program filtered.

MTBUR - This section creates a table visualization of MTBUR for each program being able to create, edit, and add family PN’s.

Early Warning - Heatmap – Provides information about flight events and problems that occurred after the delivery of the aircraft.

Timeline - Allows viewing of the timeline, selected by a program and an aircraft, and filtered by priority and ATA.

Classifier - This section is a machine learning upon to classify the Field Report Fail Code or Final Fix, creating a table editable for user validate and download the classified data.

AOG - This section shows the latest AOGs, used for discussions.

MTX Packager - Creates a timeline for maintenance schedule packages in hours and calendar for aircraft based on expected operational profile.

User control - Only authorized users can access.

5.1 Home Section

It is the first page that loads when logging into E-Tools. The main section shows the user all the features of the application such as the sidebar and navbar.



Figure 6 – Home Page.

5.2 Upload Section

This section is where the upload of Field Reports, Removals and FH/FC are made. All the files uploaded are used for visibility and only FH/FC cannot be edited. The Field Report data uploaded is already classified by Neuron

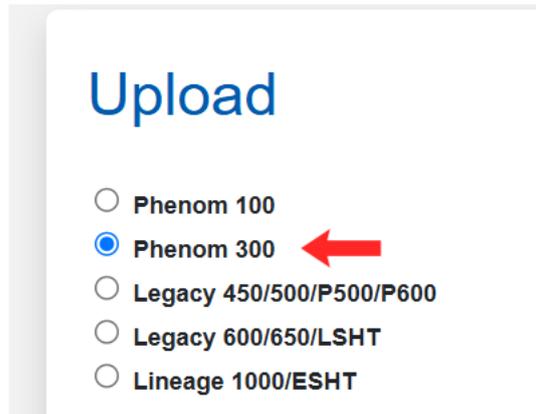


Figure 7 – Upload section

To upload a file, first is necessary to select a program which the data will be uploaded.

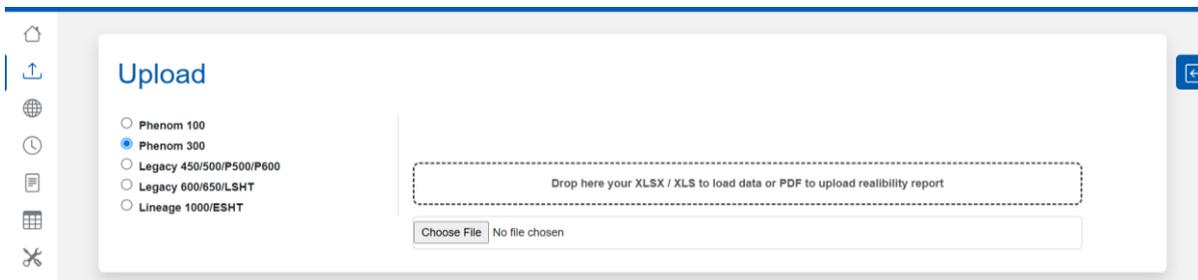


Figure 8 – Window to select the program.

After selecting the program, click on “Choose File” to search in your device. Select the file or drag it on the selected space to be uploaded.

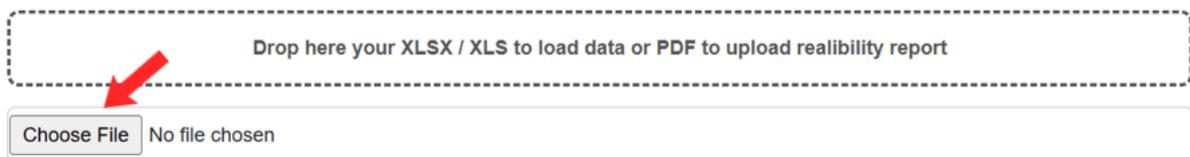


Figure 9 – Upload screen.

Clicking on the symbol on the right side of the screen it's possible to download a model of Field Report, Removals or FH/FC.

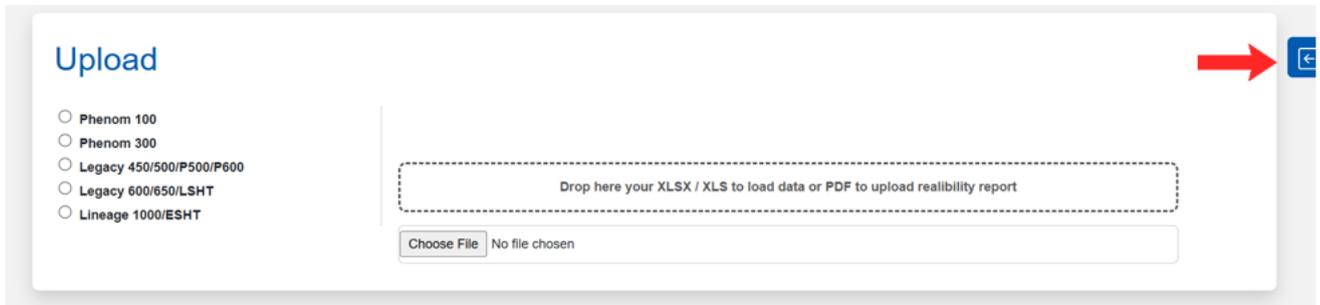


Figure 10 – Upload Models section.

The window to select a file model shall open as the following figure.

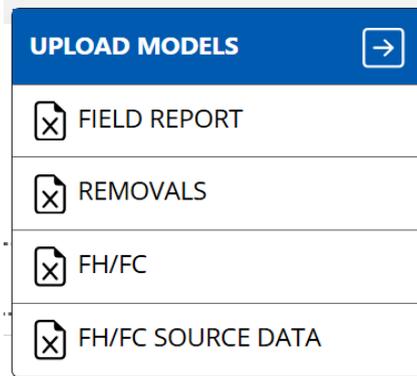


Figure 11 – Upload Models.

5.3 WWF Section

This section allows the visualization of the WorldWide fleet and its information as serial number, model, delivery date, operator, the status of the aircraft and other information. Also, the aircraft is separated by the type of new aircraft.

The data is filtered by program.

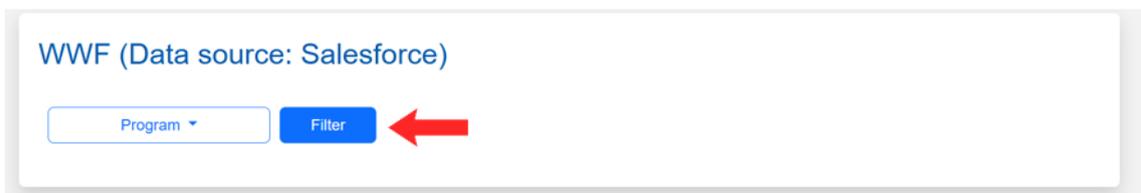


Figure 12 – WWF filters.

If no program is selected, an error will show up.

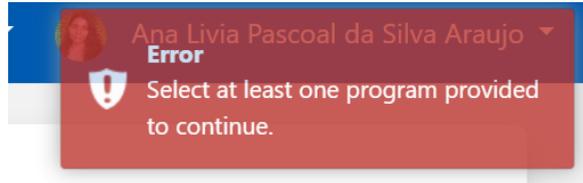


Figure 13 – Error by not selecting program.

Select the program and click on "Filter". It is possible to choose more than one program.

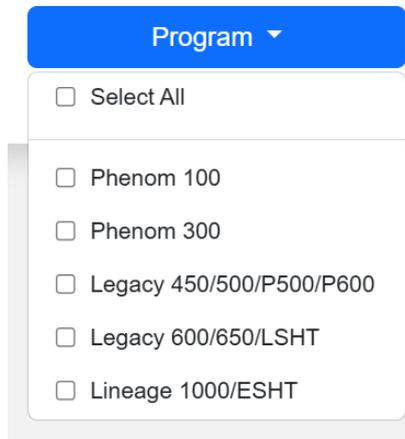


Figure 14 – Filters selected.

A similar screen will appear, with the aircraft information as Registration and Serial Number, model, delivery date, purchase date, operator, base country and airport and other information.

WWF - Worldwide Fleet							WWF In Service		Excel
A/C SERIAL NUMBER	INFO	A/C REGISTRATION NUMBER	A/C TYPE	A/C MODEL	DELIVERY DATE (DD/MM/YYYY)	PURCHASE DATE (DD/MM/YYYY)	A/C OPERATOR	BASE COUNTRY	
Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	
50500454		N412N	EMB-505	P300	25/03/2019	04/03/2021	NICHOLAS SERVICES, LLC DBA NICHOLAS AIR	US	
50500451		N554JM	EMB-505	P300	06/06/2018	06/06/2018	Steamboat Rentals, Inc.	US	
55020175		PSSFR	EMB-550	P600	05/05/2023	29/02/2024	Alcacena Gestao Patrimonial Sociedade Unipessoal Limitada	BR	

Previous 1 2 3 4 5 ... 93 Next

Figure 15 – WWF dashboard.

Also, is possible to filter information by typing keywords about the aircraft on “search” right below the categories. The filtered information will appear immediately.

WWF - Worldwide Fleet								WWF In Service	Excel
A/C SERIAL NUMBER	INFO	A/C REGISTRATION NUMBER	A/C TYPE	A/C MODEL	DELIVERY DATE (DD/MM/YYYY)	PURCHASE DATE (DD/MM/YYYY)	A/C OPERATOR	BASE COUNTRY	
Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	

Figure 16 – Filter data by name section.

Click on "Fleet Overview" to see a summary of the aircraft selected. It presents information about the programs as the quantity of aircraft and operators, how many are retired, written off or pre-flown.

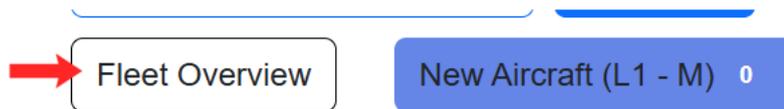


Figure 17 – Fleet Overview.

Initially, the filtered of the New Aircrafts are disabled. To check for new aircraft, click on the filter. If there are new aircraft, the information will be loaded onto the table. Click on the filter again to disable it.



Figure 18 – Filters by aircraft.

To download the file with the data of WWF in Service, click on the link WWF In Service.



Figure 19 – WWF in Service data download.

To download the file with the data presented, click on the Excel link



Figure 20 – Data table download.

Just like the others section, use the pages to navigate through the data.

5.4 FH/FC Section

This section provides details about the flight hours and cycles of each program according to its family. Flight hours are the number of hours that the aircraft flew, and flight cycles are the number of taking-off and landings of the aircraft. The data uploaded is used to calculate market strategy indicators.

Select a program and click on "Filter". Only one program can be selected.

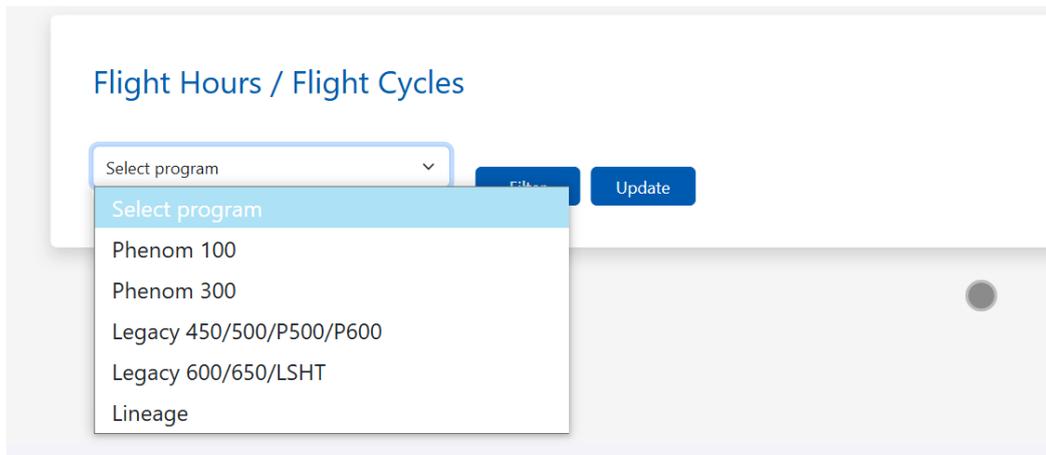


Figure 21 – Filters of Flight Hours and Flight Cycles.

If no program is selected, an error will show up.

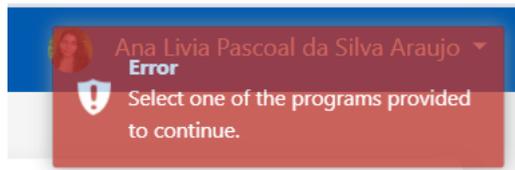


Figure 22 – Error.

After filtering the information by program, click on “Filter” and a similar screen will appear immediately.

Flight Hours / Flight Cycles Analysis													
FAMILY	OPERATOR	ACFT SERIAL NUMBER	ACFT TAIL NUMBER	REFERENCE DATE	ACCUMULATED FLIGHT HOURS	ACCUMULATED FLIGHT CYCLES	MONTHLY FLIGHT HOURS	MONTHLY FLIGHT CYCLES	REGION	AGING	INFORMATION SOURCE	DELIVERY DATE	MADE IN
Search.	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search..	Search	Search...	Search...	Search
P100	MIG Real Estate LLC	50000232	N244MD	01/12/2023	1711.72	1197	9.37	4	North & Central America	4350	FLIGHTAWARE	18/11/2011	Brazil
P100	Caribbean Private Flying Club Ltd	50000281	N20XX	01/12/2023	866.80	938	7.50	10	North & Central America	4170	EEC	08/05/2012	Brazil
P100	Sergio Garcia Mendez	50000241	N19SG	01/12/2023	1378.40	946	4.90	4	South America	4500	EEC	14/06/2011	Brazil
P100	SOFAR AIR	50000183	N337HC	01/12/2023	8138.00	7295	7.00	7	North & Central America	4680	CAMP	08/12/2010	Brazil
P100	R3 Log Broker e	50000042	PRFBS	01/12/2023	1982.77	1824	18.27	24	South	5160	ESTIMATED	26/08/2009	Brazil

Previous 1 2 3 4 5 ... 1779 Next

Figure 23 – FH/FC dashboard.

Also, is possible to filter information by typing keywords about “search” right below the categories. The filtered information will appear.

Flight Hours / Flight Cycles Analysis					
FAMILY	OPERATOR	ACFT SERIAL NUMBER	ACFT TAIL NUMBER	REFERENCE DATE	ACCUMULATED FLIGHT HOURS
Search.	Search...	Search...	Search...	Search...	Search...

Figure 24 – Filters.

To download the file with the data presented, click on the sheet icon.



Figure 25 – Sheet icon.

The function “Update” is available. Selecting this function will open some filters options.

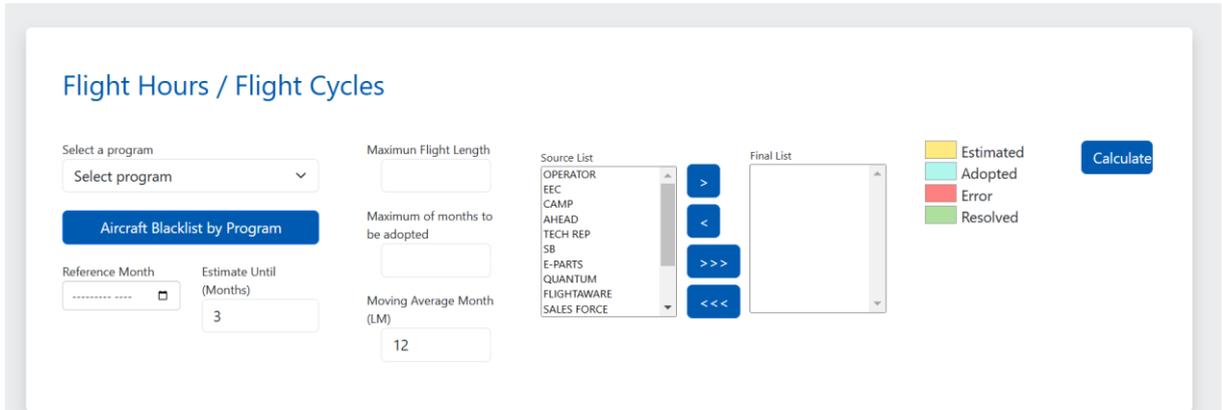


Figure 26 – Update filters.

Start selecting the program to be updated on “Select Program” filter. Is possible to add or delete ACFT SN’s on “Aircraft Blacklist by Program” button.

Flight Hours / Flight Cycles

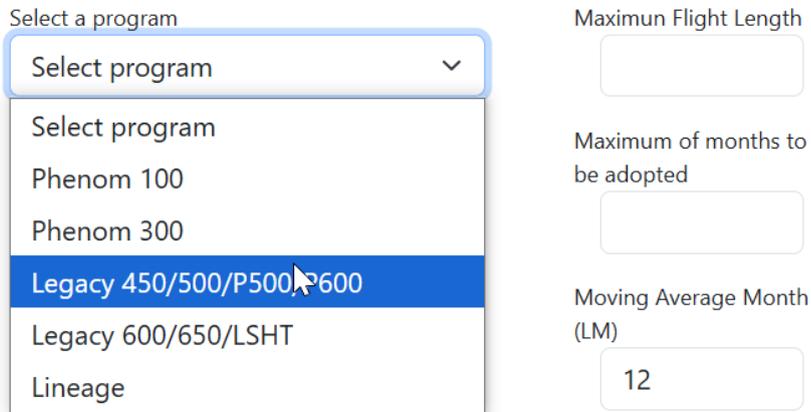


Figure 27 – FHFC Update options.

Otherwise fill the filters and click in the “Calculate” button. After that, the data will appear in a table right below the data source information caption.

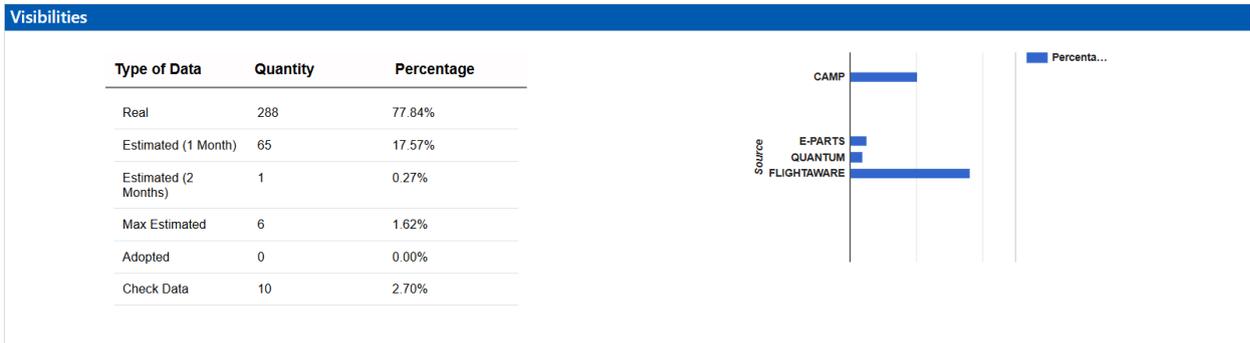


Figure 28 – Data source information part 1.

Family	Acft Serial Number	Refdate	Flight Hours	Flight Cycles	Monthly Flight Hours	Monthly Flight Cycles	Information Source	Note
Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...
P100	50000304	01/01/2023	655.90	434	0.73	-2	EEC	Negative Error
P100	50000183	01/01/2023	7980.00	7093	24.30	-4	CAMP	Negative Error
P100	50000181	01/01/2023	1475.00	92	-31.90	-1207	CAMP	Negative Error
P100	50000317	01/01/2023	1920.66	1845	-0.04	0	EEC	Negative Error
P100	50000413	01/01/2023	315.80	426	-0.33	-16	E-PARTS	Negative Error
P100	50000247	01/01/2023	1942.00	1366	-0.80	-1	CAMP	Negative Error
P100	50000237	01/01/2023	4852.00	4580	0.60	-15	E-PARTS	Negative Error
P100	50000011	01/01/2023	1916.90	1002	-22.94	3	EEC	Negative Error
P100	50000037	01/01/2023	1587.50	1175	44.72	-204	EEC	Negative Error
P100	50000396	01/01/2023	639.90	529	-0.10	1	EEC	Negative Error
P100	50000337	01/01/2023	479.23	436	8.53	7	ESTIMATED	Estimated Data
P100	50000018	01/01/2023	6697.26	5917	24.26	21	MAX ESTIMATED	Estimated Data
P100	50000034	01/01/2023	1535.63	1103	9.72	7	ESTIMATED	Estimated Data

Previous 1 2 3 4 5 ... 19 Next

Figure 29 – Data source information part 2.

By a double click in the line a modal containing a detailed description for the aircraft SN chosen following an FH & FC history.

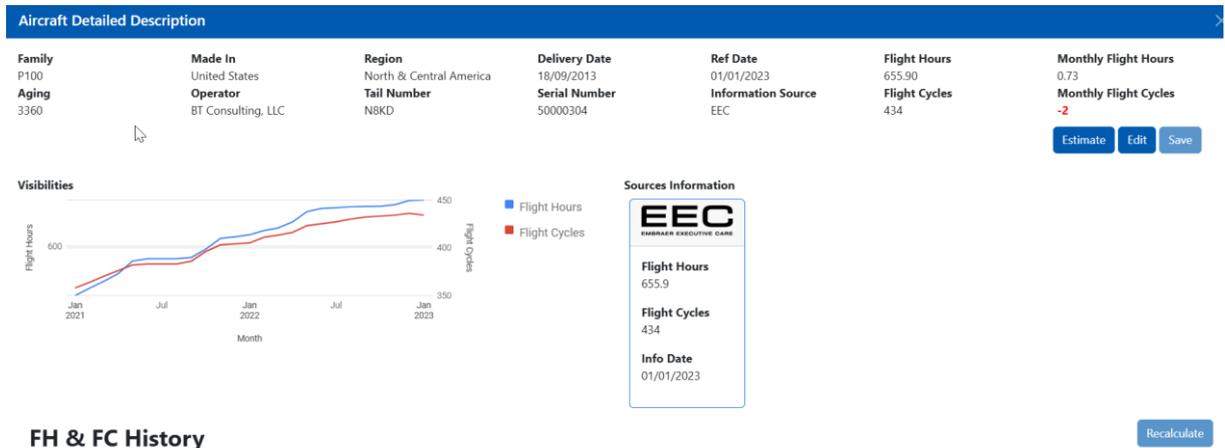


Figure 30 – Aircraft Detailed description Modal.

FH & FC History Recalculate

Month	Source	Flight Hours	Flight Cycles	Monthly Flight Hours	Monthly Flight Cycles	Ref Date	Edit/Save
December	FLIGHTAWARE	655.17	436	5.1	2	01/12/2022	
November	FLIGHTAWARE	650.07	434	2.07	1	01/11/2022	
October	FLIGHTAWARE	648	433	0.1	1	01/10/2022	
September	FLIGHTAWARE	647.9	432	0.3	2	01/09/2022	
August	FLIGHTAWARE	647.6	430	1.2	3	01/08/2022	
July	EEC	646.4	427	0.9	2	01/07/2022	

Resolve

Figure 31 – Aircraft FH & FC History.

5.5 Field Report Section

This section provides reports of issues on aircraft that happened on the field. The data is updated monthly with new problems on the fleet. Also presented the FinalFix analysis details about the issue.

To see the field report section first is necessary to select a program and a custom date to filter the information. It's possible to type a start and end date to filter the data. Only one program can be selected to filter.

Field Report

- Phenom 100 Last Upload: (20/03/2024)
- Phenom 300 Last Upload: (17/03/2024)
- L450/L500/P500/P600 Last Upload: (29/02/2024)
- Legacy 600/650/LSHT Last Upload: (31/01/2024)
- Lineage 1000/ESHT Last Upload: (31/01/2024)

Custom date

Select a custom date v

Start date **End date**

mm/dd/yyyy 📅 mm/dd/yyyy 📅

Show Advanced Filters Filter

Figure 32 – Filters.

If the select data is not valid, an error will show up.

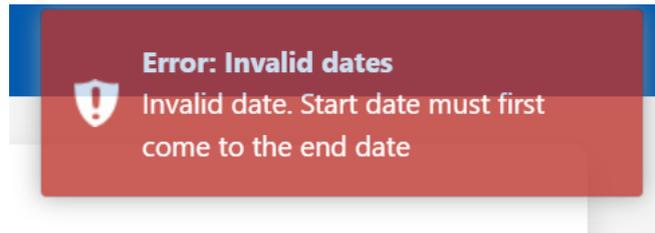


Figure 33– Invalid date Error.

If no date is selected, an error will show up.

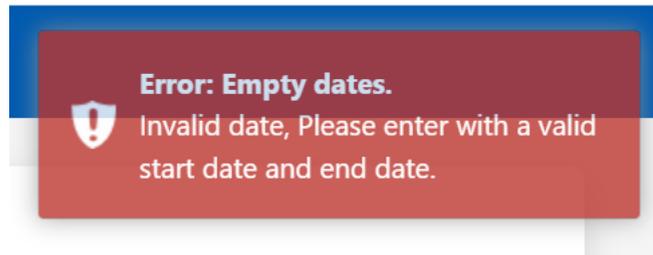


Figure 34 – No date selected Error.

After selecting a date and a program, this notification will show up with the select date and program.

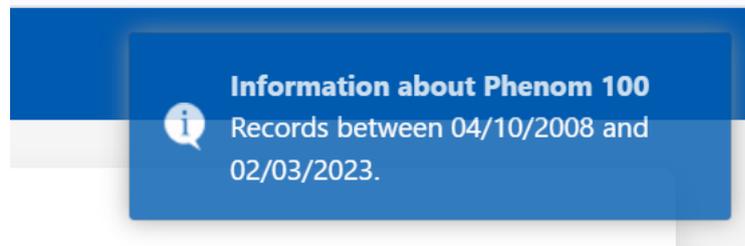


Figure 35 – Date warning.

With the advanced filters on screen, it's possible to filter the information by Aircraft Serial Number, ATA, Failcode, Operator, Technology, Priority and Final Fix. It's not necessary to use all the options in the advanced filters, at least one can already filter the data.

<p>Filter by Aircraft SN Select All Deselect All</p> <input type="text"/>	<p>Filter by Failcode Select All Deselect All</p> <input type="text"/>
<p>Filter by Priority Select All Deselect All</p> <input type="text"/>	<p>Filter by Final Fix Select All Deselect All</p> <input type="text"/>
<p>Filter by ATA Select All Deselect All</p> <input type="text"/>	<p>Filter by Operator Select All Deselect All</p> <input type="text"/>
<p>Filter by Technology Select All Deselect All</p> <input type="text"/>	

Hide Advanced Filters
Filter

Figure 36 – Field Report dashboard.

After applying the filters, click on "Filter" and this screen will appear. It presents the program family and the date selected. Events details section provides the subject and description of the problem, besides the solution and corrective action.

Customer support classification section presents the failcode and final fix details, a description, and analysis.

Field Report

Phenom 100

Selected since
2022-01-01 until 2024-11-25

CTRL. N° :

PRIORITY:

EVENT DETAILS

<p>SUBJECT</p> <div style="border: 1px solid #ccc; height: 60px;"></div>	<p>PROBLEM DESCRIPTION</p> <div style="border: 1px solid #ccc; height: 60px;"></div>
<p>SOLUTION</p> <div style="border: 1px solid #ccc; height: 60px;"></div>	<p>CORRECTIVE ACTION</p> <div style="border: 1px solid #ccc; height: 60px;"></div>

CUSTOMER SUPPORT CLASSIFICATION

FAILCODE

FAILCODE DESCRIPTION

FAILCODE ANALYSIS

FINAL FIX

FINAL FIX DESCRIPTION

FINAL FIX ANALYSIS

AOG TIGER

[Back to filters](#)

[Early failure filter](#)

[Edit data \(F9\)](#)

Figure 37 – Detailed information about Field Report part 1.

ENGINEERING / QUALITY CLASSIFICATION

PN ON

PN OFF

SN ON

SN OFF

FINAL FIX RESPONSIBILITY

SUPPLIER

FINAL FIX / FAIL CODE - OK

CORRECTIVE ACTION DOCUMENT

EFFECTIVITY

EARLY FAILURE STATUS

COMMENTS

Figure 38 – Detailed information about Field Report part 2.

Field Report Data Analysis													
MENT	FAMILY	OPERATOR	SERIAL NUMBER	DELIVERY DATE	ACFT REGISTER	EVENT DATE	REFERENCE DATE	PRIORITY	INTERRUPTION TYPE	SUBJECT	PROBLEM DESCRIPTION	SOLUTION DIAGNOSE	CORRECTIV
13	P100	Jet Services, INC	50000006	24/04/2009	N580JH	16/06/2022	06/22	Critical		Red X over CAS Field	phenom has a issue with red Xs on all three screens and on the cas messages. We?ve tried unplugging the ... (Read more)	Yellow/Red Xs over CAS message boxes are usually database-related. In most cases due to non-synchronized databases between flight ... (Read more)	
15	P100	Jet Services, INC	50000006	24/04/2009	N580JH	21/06/2022	06/22	Critical		BLEED 2 FAIL	The CAS message BLEED 2 FAIL is showing several times	The CMC files were analyzed and it was observed that the BLEED 2 FAIL message came up without correlations. In cases like that, th... (Read more)	

Previous 1 2 3 4 5 ... 67 Next

Figure 39 – Detailed information about Field Report part 3.

Click on the symbol to refresh the data with new FinalFix and Failcode.

CUSTOMER SUPPORT CLASSIFICATION

FAILCODE

FAILCODE DESCRIPTION

FAILCODE ANALYSIS

FINAL FIX

FINAL FIX DESCRIPTION

FINAL FIX ANALYSIS

AOG TIGER



Figure 40 – Refresh button.

Clicking on "Early failure filter" will open a window with dates of early failure to filter the data.

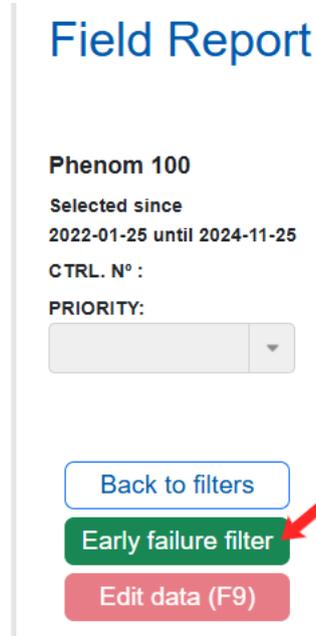


Figure 41 – Filters.

Select a date to filter the data and click on "submit".

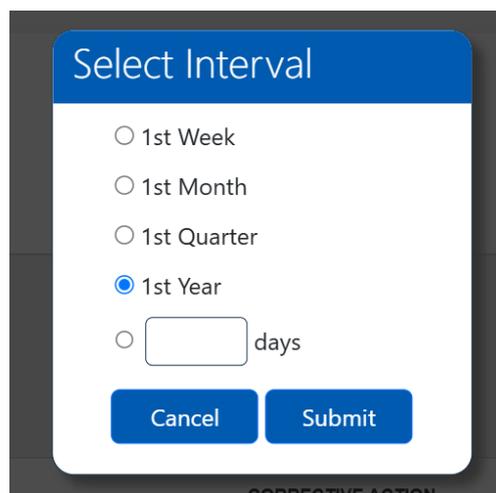


Figure 42 – Filter by data

Click on "reset filter" to remove all filters selected.

Field Report

Phenom 100
Selected since
2022-01-25 until 2024-11-25
CTRL. Nº :
PRIORITY:



Figure 43 - Reset filter button.

The Engineering/Quality Classification section shows the information about the Part Numbers, the Final Fix responsibility, the corrective action document, its effectivity, early failure status, and comments.

ENGINEERING / QUALITY CLASSIFICATION

PN ON

PN OFF

SN ON

SN OFF

FINAL FIX RESPONSABILITY

SUPPLIER

FINAL FIX / FAIL CODE - OK

CORRECTIVE ACTION DOCUMENT

EFFECTIVITY

EARLY FAILURE STATUS

COMMENTS

Figure 44 – Engineering and quality classification details.

After applying the filters, a table with all the information will show up.

Field Report Data Analysis														
CONTROL NUMBER	CASE TYPE	DOCUMENT NUMBER	FAMILY	OPERATOR	SERIAL NUMBER	DELIVERY DATE	ACFT REGISTER	EVENT DATE	REFERENCE DATE	PRIORITY	INTERRUPTION TYPE	SUBJECT	PROBLEM DESCRIPTION	SOLU DIAG
99470	CRM VSS	EEJ-04822455	P100	GVL AIR 2, LLC	50000138	27/10/2010	N585JS	01/12/2023	12/23			MyTechCare Portal Access		
98156	Contact Center Default	EEJ-04657284	P100	Trenitalia Air Comércio de Aeronaves Ltda	50000175	30/09/2010	PRPHE	30/03/2023	03/23	Critical		AP FAIL + YD FAIL	Good afternoon, hope this message finds you and your team in good spirits. Our airplane rarely has any failures, however today we ... (Read more)	

Figure 45 – Filtered information.

Click on one line to see its details on Events details, Customer Support Classification and engineering/quality classification sections.

98156	Contact Center Default	EEJ-04657284	P100	Trenitalia Air Comércio de Aeronaves Ltda	50000175	30/09/2010	PRPHE	30/03/2023	03/23	Critical		AP FAIL + YD FAIL	Good afternoon, hope this message finds you and your team in good spirits. Our airplane rarely has any failures, however today we ... (Read more)	
-------	------------------------	------------------------------	------	---	----------	------------	-------	------------	-------	----------	--	-------------------	---	--

Figure 46 – Line details

Also, is possible to filter information by typing keywords about the aircraft on “search” right below the categories. The filtered information will appear immediately.

Field Report Data Analysis														
CONTROL NUMBER	CASE TYPE	DOCUMENT NUMBER	FAMILY	OPERATOR	SERIAL NUMBER	DELIVERY DATE	ACFT REGISTER	EVENT DATE	REFERENCE DATE	PRIORITY	INTERRUPTION TYPE	SUBJECT	PROBLEM DESCRIPTION	SOLU DIAG

Figure 47 – Filters.

Click on the cycle symbol to refresh the table and see if there are any changes in the Salesforce data.

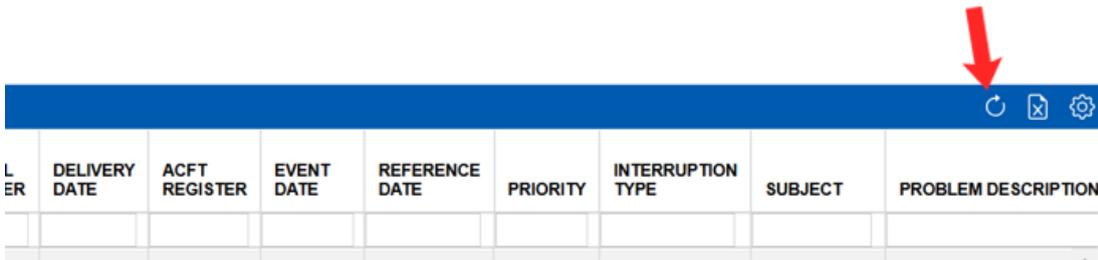


Figure 48 – Refresh symbol.

To download the file with the data presented, click on the sheet icon.

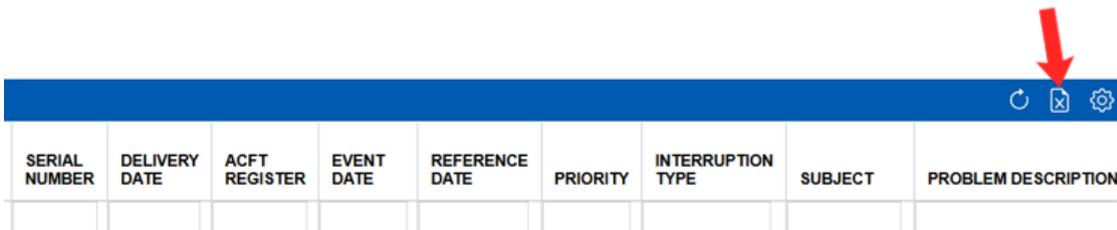


Figure 49 – Excel symbol.

Click on the engine symbol to configure the columns.

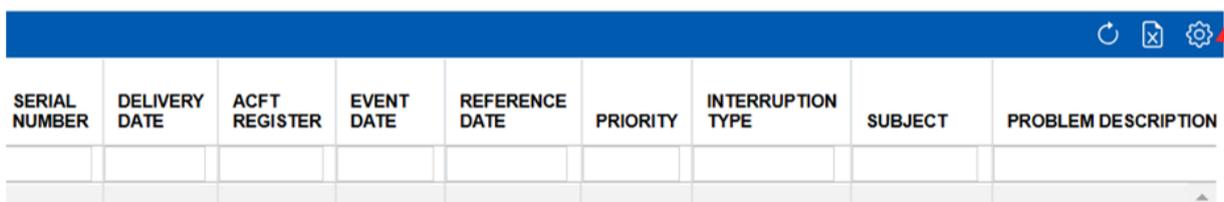


Figure 50 – Configure button.

5.6 Removals

This section presents information about the pieces which were removed from the aircraft, the reasons, and the supplier. This information is used to determinate the most frequent problems in the aircraft and the solutions for it.

Select a program and a custom date to filter the information. It is possible to type a start and end date to filter the data. Only one program can be selected.

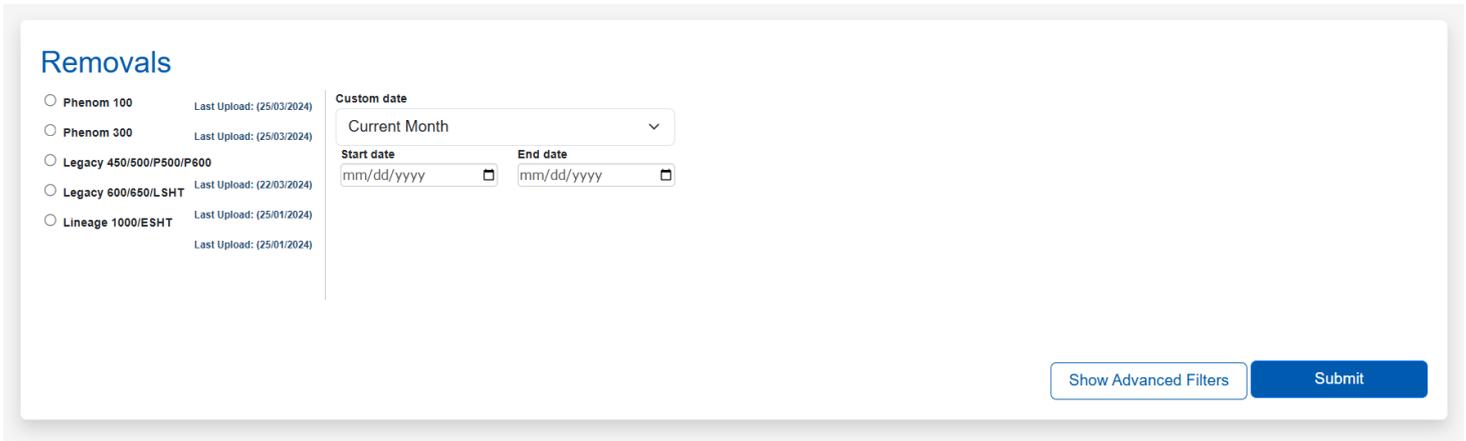


Figure 51 – Removals filters.

If no date is selected, an error will show up.

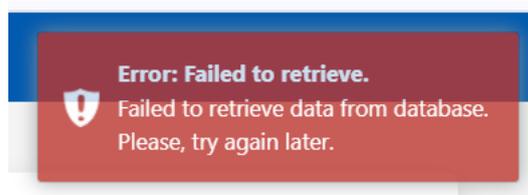


Figure 52 – No date selected error.

If the selected date is not valid, an error will show up.

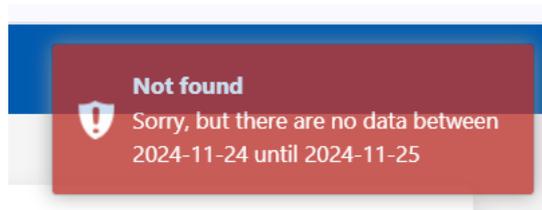


Figure 53 – Date invalid error.

After applying all the filters, click on "Submit" and this screen will appear. It presents the program family and the date selected.



Figure 54 – Submit button.

The customer support details section presents information about the aircraft, the reason for the removal and analysis. Also is shown if the data is duplicated and if it is a valid removal. Is provided also the information about PNs and its description and the ATA, related final fix, document of Field Report, the aging of the aircraft, the supplier and the root cause. Notice that not all the aircraft have the information of every section mentioned.

Removals

Phenom 100
Selected since 24/01/2022 until 25/11/2024

SERIAL NUMBER:

DOCUMENT NUMBER:

[Back to filters](#)
[Edit data \(F9\)](#)

CUSTOMER SUPPORT DETAILS

ACFT TAILNUMBER REF. DATE (MM/DD/YYYY)

REASON OF REMOVAL TDR TECH

TDR ANALYSIS TDR RESULT

TYPE VALID REMOVAL DUPLICATED

PN OFF SN OFF

PN ON SN ON

TSI CSI

PN DESCRIPTION

PN POSITION

ATA TECHNOLOGY

RELATED FINAL FIX DOC. FIELD REPORT

AGING SUPPLIER

REASON OF REMOVAL CATEGORY

ROOT CAUSE

Figure 55 – Information details part 1.

CONTROL NUMBER	DOCUMENT NUMBER	FAMILY	OPERATOR	ACFT SERIAL NUMBER	ACFT TAIL NUMBER	EVENT DATE	REFERENCE DATE	ATA CHAPTER	TECHNOLOGY	PN DESCRIPTION	PN OFF	SN OFF	PN ON	SN ON
49057	300946477	P100	MG Air Transport, LLC	50000150	N89JJ	10/01/2024	01/01/2024	27	Flight Controls	ELECTRO MECHANICAL RUDDER TRIM TAB	453000-1007	196		
49052	300946456	P100	Dynalab, Inc.	50000226	N109LE	10/01/2024	01/01/2024	32	Hydraulics	WHEEL/TIRE ASSY	500-19026-605	DEC09-0494		
49054	300946434	P100	Asian Holding, LLC	50000077	N770BR	10/01/2024	01/01/2024	32	Hydraulics	BRAKE, ASSY, LANDING, GEAR, MAIN-STEEL	90005025-3	JUL09-0320		
49055	300946435	P100	Asian Holding, LLC	50000077	N770BR	10/01/2024	01/01/2024	32	Hydraulics	BRAKE, ASSY, LANDING, GEAR, MAIN-STEEL	90005025-3	JUL11-0720		
49058	300946492	P100	Prati, Donaduzzi & Cia Ltda	50000324	PRFYB	10/01/2024	01/01/2024	28	Powerplant / Fuelling	CARTRIDGE DC AUXILIARY BOOST PUMP	P99C19-601	F66020		

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Figure 56 – Removals table.

Clicking on the document number of the aircraft in the table, the page will redirect to the notification in E-Repair <https://erepair.embraer.com.br/erepair>, which needs different access of E-Tools. The selected line will turn blue.

Removals Data Analysis														
CONTROL NUMBER	DOCUMENT NUMBER	FAMILY	OPERATOR	ACFT SERIAL NUMBER	ACFT TAIL NUMBER	EVENT DATE	REFERENCE DATE	ATA CHAPTER	TECHNOLOGY	PN DESCRIPTION	PN OFF	SN OFF	PN ON	SN ON
49052	300946456	P100	Dynalab, Inc.	50000226	N109LE	10/01/2024	01/01/2024	32	Hydraulics	WHEEL/TIRE ASSY	500-19026-605	DEC09-0494		
49054	300946434	P100	Asian Holding, LLC	50000077	N770BR	10/01/2024	01/01/2024	32	Hydraulics	BRAKE,ASSY,LANDING,GEAR,MAIN-STEEL	90005025-3	JUL09-0320		
49055	300946435	P100	Asian Holding, LLC	50000077	N770BR	10/01/2024	01/01/2024	32	Hydraulics	BRAKE,ASSY,LANDING,GEAR,MAIN-STEEL	90005025-3	JUL11-0720		
49058	300946436	P100	Prati, Donaduzzi & Cia Ltda	50000324	PRFYB	10/01/2024	01/01/2024	28	Powerplant / Fuelling	CARTRIDGE DC AUXILIARY BOOST PUMP	P99C19-601	F66020		
49053	300946514	P100	Revesco Aviation Pty, Ltd.	50000206	VHPNM	10/01/2024	01/01/2024	29	Hydraulics	HYDRAULIC POWER PACK ASSEMBLY	3032683-003	MX759104	3032683-105	MX76
49056	300946476	P100	Aircraft Holding and Leasing, LLC	50000293	N203SS	10/01/2024	01/01/2024	21	Environmental	COMPRESSOR MODULE- WITHOUT MOTOR, AIR COND	1133130-5	788		

Previous 1 2 3 4 5 ... 212 Next

Figure 57 – Selected Document Number.

Also, is possible to filter information by typing keywords about the aircraft on “search” right below the categories. The filtered information will appear immediately.

Removals Data Analysis											
CONTROL NUMBER	DOCUMENT NUMBER	FAMILY	OPERATOR	ACFT SERIAL NUMBER	ACFT TAIL NUMBER	EVENT DATE	REFERENCE DATE	ATA CHAPTER	TECHNOLOGY	PN DE:	
			emb								
48794	300937780	P100	Embraer Executive Aircraft, Inc.	50000431	N431EE	20/11/2023	01/11/2023	32	Hydraulics	WH ASS	

Figure 58 – Filtering information.

The filtered data will appear immediately.

Removals Data Analysis									
CONTROL NUMBER	DOCUMENT NUMBER	FAMILY	OPERATOR	ACFT SERIAL NUMBER	ACFT TAIL NUMBER	EVENT DATE	REFERENCE DATE	ATA CHAPTER	
			embraer						
48794	300937780	P100	Embraer Executive Aircraft, Inc.	50000431	N431EE	20/11/2023	01/11/2023	32	
48795	300937782	P100	Embraer Executive Aircraft, Inc.	50000431	N431EE	20/11/2023	01/11/2023	32	

Figure 59 – Filtered information.

5.7 Aircraft Timeline

This section provides information for aircraft study. The aircraft timeline presents a timeline of all the aircraft issues and the solutions taken.

Select a program and an aircraft. Is not necessary to select an ATA and priority to generate the data.

Aircraft Timeline

Select a program:

Select an aircraft:

Filter by ATA: [Select All](#) [Deselect All](#)

Priority: [Select All](#) [Deselect All](#)

Figure 60 – Aircraft Timeline filters.

If no program or aircraft is selected, an error will show up.

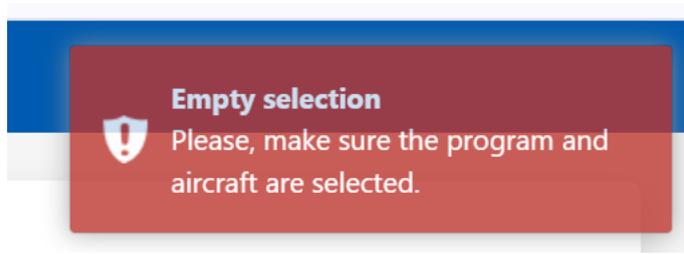


Figure 61 – No program selected error.

Is presented on the screen an aircraft timeline analysis with the aircraft filtered by month.

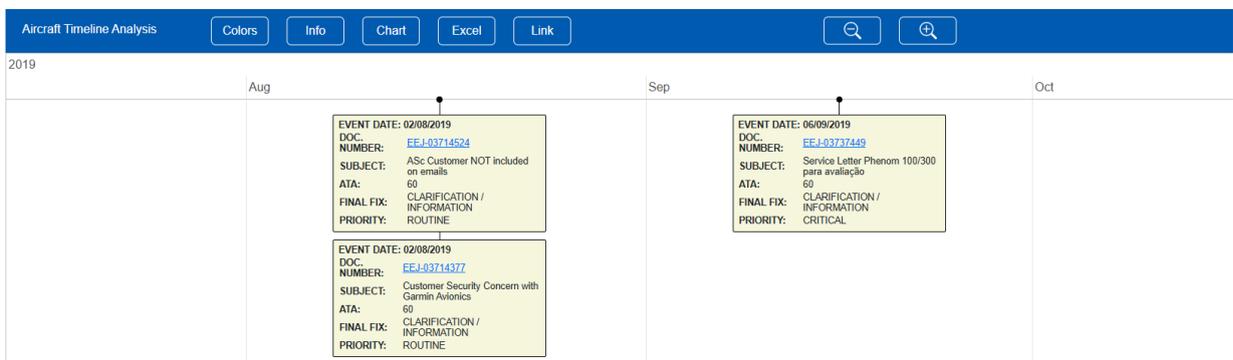


Figure 62 – Aircraft timeline.

Click on the left magnifying glass to zoom-out the image and see more analysis and on the right one to zoom-in the image.



Figure 63 – Zoom-out symbol.



Figure 64 – Zoom-in symbol.

Drag the screen to navigate through the timeline.

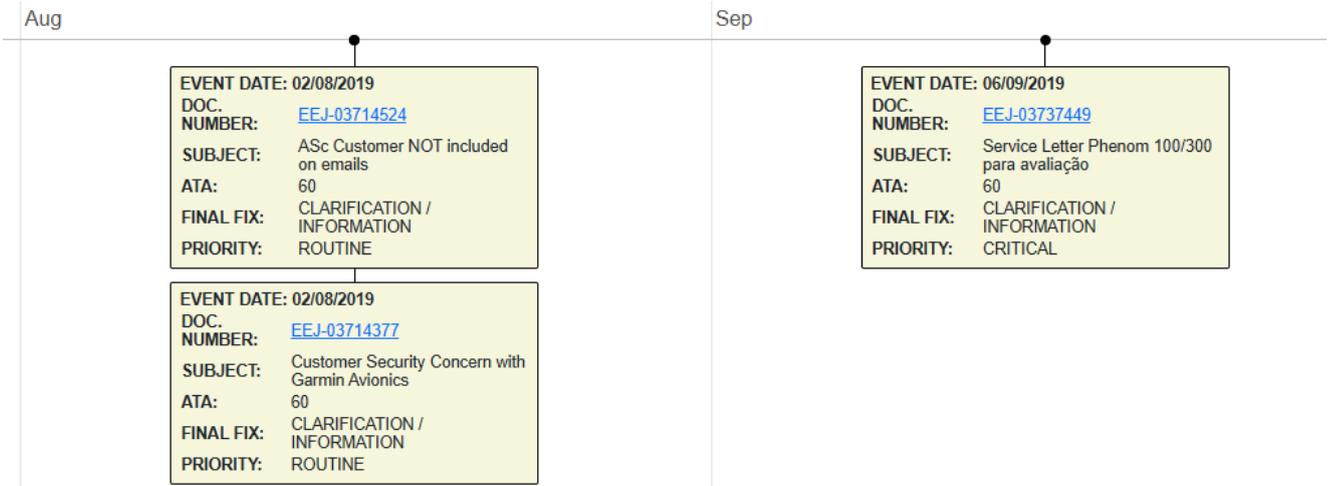


Figure 65 – Timeline.

Click on "colors" placed on the left side of the screen to see the color subtitle.

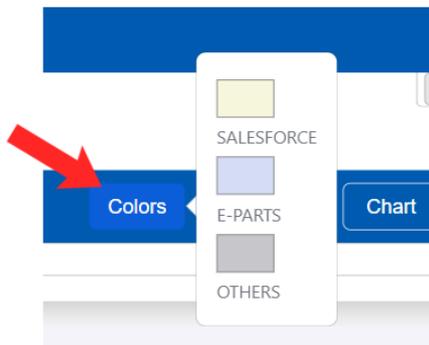


Figure 66 – Color subtitle.

Pass the mouse in "Info" to see the information about the selected aircraft.

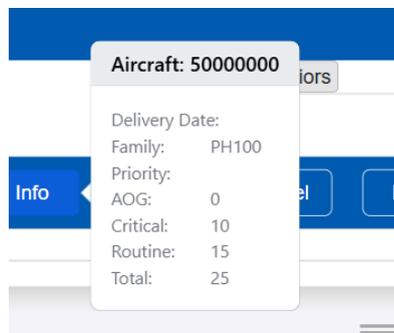


Figure 67 – Information box.

Click on "chart" to see a histogram about the selected aircraft.

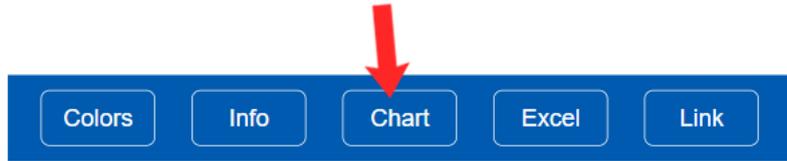


Figure 68 – Chart button.

The histogram presents the quantity of AOGs, critical and routine that the aircraft had in the last months with the date of these last events.

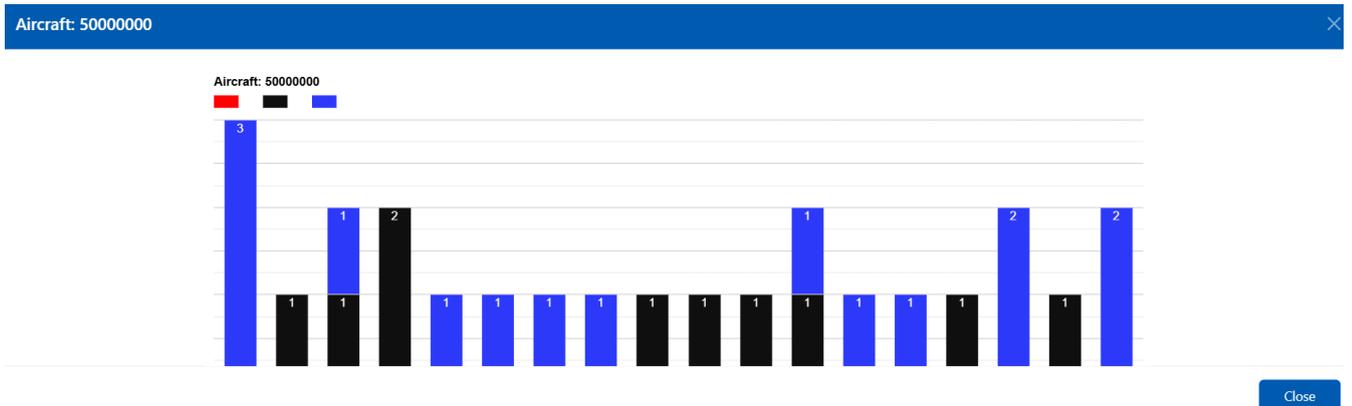


Figure 69 – Histogram of the aircraft.

To download the file with the data presented, click on the excel symbol.



Figure 70 – Excel button.

To copy the link of the selected aircraft, click on the button link



Figure 71 – Link button.

5.8 Early Warning - Heatmap

This section provides information about flight events and problems that occurred after the delivery of the aircraft. Also presented the data of the flight events and detailed information about the issue.

If you click on the button legend you’ll be able to see the colors and the score used in the calculation.

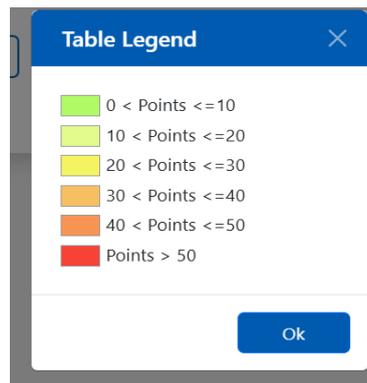


Figure 72 – Table legend.

If you click on the criteria button, you’ll be able to see the criteria used in the calculation.

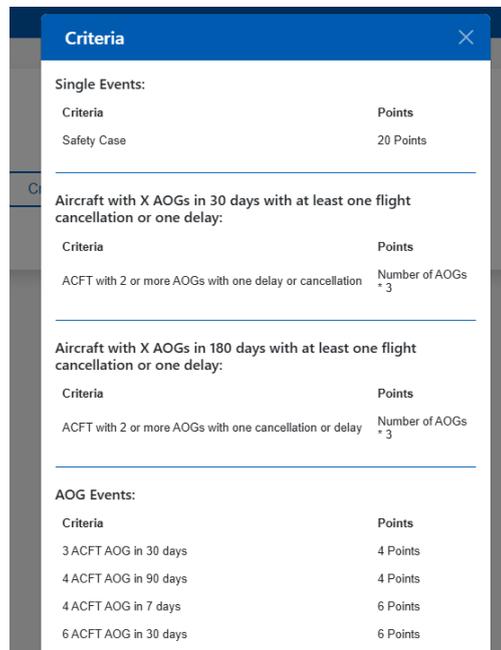


Figure 73 – Heatmap criteria.

Select a program and click on "filter". A data table with info will appear.

Phenom 100 Premature Failures

Heatmap																
Program	Serial Number	Last AOG Case	Duration (days)	Last AOG Status	Last AOG Date	Delivery Date	EEC	Operator	VIP	High Visibility	Operator Type	Owner Info	Points	Semaphore	Events	Nov
P100	50000324	EEJ-04887112	21.9	Event Coordination	10/03/2024	26/09/2013	NOT ENROLLED	Prati, Donaduzzi & Cia Ltda	NO	NO	Single Owner		20	●	1	
P100	50000349	EEJ-04789708	1.9	Closed	11/10/2023	29/12/2014	PRIME PARTS - DEFINED LIST	Lifestyle Aviation, LLC	NO	NO		3rd Owner	20	●	1	
P100	50000076	EEJ-04873779	2.4	Closed	20/02/2024	22/12/2009	EEC - ENHANCED	VOAR - Cooperativa de Usuários de Aeronaves	NO	YES	Fleet Owner	2nd Owner	16	●	2	
P100	50000418	EEJ-04834782	17.2	Closed	20/12/2023	08/06/2020	EEC - ENHANCED	BDG Services, LLC	NO	NO			15	●	2	1

Figure 74 – Heatmap data table.

To see only the premature failures (AOGs occurred during the aircraft's initial 365 days of life) click on the filter Premature Failures.

Premature Failures

Figure 75 – Premature Failures filter.

A table with only with the premature failure’s aircrafts will show up.

Heatmap																								
Program	Serial Number	Last AOG Case	Duration (days)	Last AOG Status	Last AOG Date	Delivery Date	EEC	Operator	VIP	High Visibility	Operator Type	Owner Info	Points	Semaphore	Events	Nov	Oct	Sep	Aug	Jul	Jun	May	Apr	
P100	50000324	EEJ-04887112	21.9	Event Coordination	10/03/2024	26/09/2013	NOT ENROLLED	Prati, Donaduzzi & Cia Ltda	NO	NO	Single Owner		20	●	1									
P100	50000349	EEJ-04789708	1.9	Closed	11/10/2023	29/12/2014	PRIME PARTS - DEFINED LIST	Lifestyle Aviation, LLC	NO	NO		3rd Owner	20	●	1		20							

Figure 76 – Premature Failures table.

To see more information about a line, click on it and the information will be presented in the Event Details page.

Heatmap																
Program	Serial Number	Last AOG Case	Duration (days)	Last AOG Status	Last AOG Date	Delivery Date	EEC	Operator	VIP	High Visibility	Operator Type	Owner Info	Points	Semaphore	Events	Nov
Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...
P100	50000445	EEJ-04884037	0.3	Closed	05/03/2024	28/12/2023	EEC - ENHANCED	N17PL, LLC	NO	NO			6			2
P100	50000446	EEJ-04892124	1.9	Closed	18/03/2024	20/12/2023	NOT ENROLLED	Flamingo Prestacao de Servicos e Locacao de Bens Ltda	NO	NO			3			1

Figure 77 – Line selected.

Events details									
Events Description					Timeline				
Case Number	Status	Date	Points	Description	Duration (days)	Duration Median (days)	Failcode	FinalFix	
EEJ-04887112	Event Coordination	10/03/2024	20	Safety Case	21.9	2.3	732001 - ENG NO DISPATCH / FADEC FAULT / ENG CTRL FAULT	NO DATA	

Figure 78 – Event details page.

To download the data, click on the sheet icon.



Figure 79 – Download sheet icon

5.9 RAMP

This page allows to generate and send emails for internal members and suppliers with information about removals and hours for suppliers’ items. Start choosing the program.

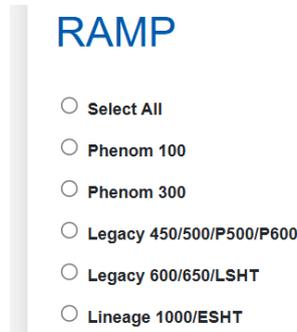


Figure 80 – Program filter.

After the program is selected, is possible to select a range of date, or just choose the supplier to contact.



Figure 81 – Date range and suppliers filter.

Selecting the supplier, the page is going to create a table with the suppliers, files, date range and contacts.

Supplier Name	View File	Start Date	End Date	Creation Date	File Size	Content	Emails To	Emails CC	Send	Remove
GARMIN		31/5/2024	30/8/2024	4/9/2024 - 15:17:26	9 KB		frederico.pelogia@embraer.com.br gustavo.ferreira@embraer.com.br amila.bortolotti@embraer.com.br enan.marcondes@embraer.com.br Insert Email Insert	paulo.salles@embraer.com.br thales.silva@embraer.com.br Insert Email Insert	<input type="checkbox"/>	
LUFTHANSA		31/12/2005	17/11/2024	18/11/2024 - 8:42:9	290 KB		frederico.pelogia@embraer.com.br gustavo.ferreira@embraer.com.br amila.bortolotti@embraer.com.br enan.marcondes@embraer.com.br Insert Email Insert	paulo.salles@embraer.com.br thales.silva@embraer.com.br Insert Email Insert	<input type="checkbox"/>	

Figure 82 – RAMP data table.

Above the table there are some buttons. The first button “Create Supplier’s Files” will generate the file of each supplier chosen for the range of date. The second will request the created file. The third button will send the emails with the requested files but is important to pay attention to the checked “Emails To” and “Emails CC” in the red box, is possible to uncheck any contact, or add in the “Insert Email” box and pressing the “Insert” button. Everything done, is possible to change by “Test Emails”, in this option on, the emails will be sent internally only, disable this button will update the emails with the original ones of the supplier’s contacts.



Figure 83 – RAMP buttons.

5.10 RCI

This section provides information about the components of each ARCFT in a table.

Choosing by program, and by SN (is possible to see all of them), the page will generate all the data about the components of all SN selected in the filter.



Figure 84 – RCI Filters.

On the “Select program” box choose the program and then the SN of the required component and filter. The table will automatically appear to be analyzed. It’s also possible to download the table on the “Excel” button on the upper right.

RCI Data												
PROGRAM	AIRPLANE TYPE	REGISTRATION	AIRPLANE S/N	ATA	SUB COMPONENT P/N	COMPONENT S/N	COMPONENT DESCRIPTION	POSITION	MANUFACTURE CODE	CODE1	CODE2	TIPO
Search...	Search...	Search...	Search...	Sear	Search...	Search...	Search...	Search...	Search...	Search	Search	Search
P100	0500		50000053	031	011-00831-00	46709970	ENGINE AIRFRAME INTERFACE UNIT (GEA	FWR PNL	OTRC3			
P100	0500		50000053	031	011-00831-00	46709989	ENGINE AIRFRAME INTERFACE UNIT (GEA	CTL RACK	OTRC3			
P100	0500		50000053	031	011-00831-00	46710136	ENGINE AIRFRAME INTERFACE UNIT (GEA	PIL CAB	OTRC3			
P100	0500		50000053	034	011-00868-10	42011511	ATTITUDE AND HEADING REFERENCE UNIT	LH PANEL	OTRC3			
					011-00868-		ATTITUDE AND	RH				

Previous 1 2 3 4 5 ... 10 Next

Figure 85 – RCI data table

By clicking on the button Empty SNs you can download a file with all the empty SNs.



Figure 86 – Empty SNs button.

And clicking in View RCI Files you can check if there are available RCI Files in SharePoint. You can also upload a file.



Figure 87 – View RCI Files.

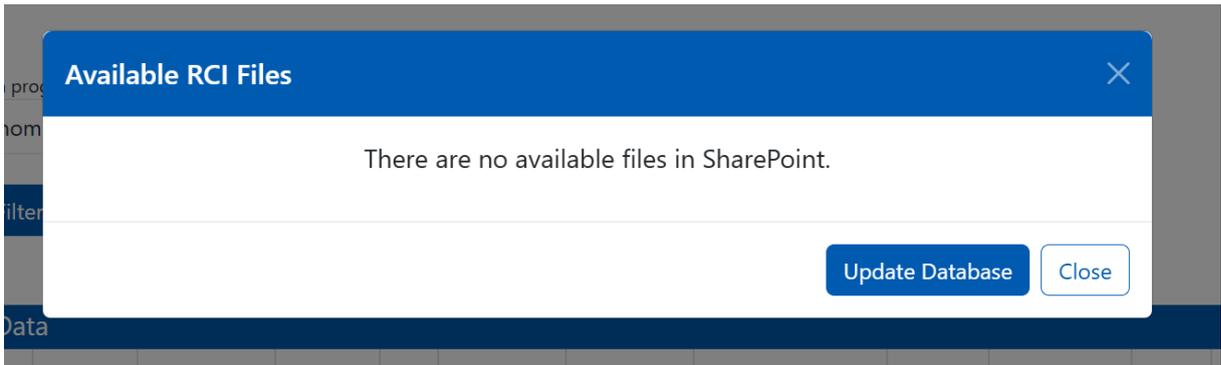


Figure 88 – View RCI Files page.

5.11- MTBUR

This section provides the MTBUR of the aircraft components, Flight Hours and Cycles, Removals and Accumulated Hours and Cycles.

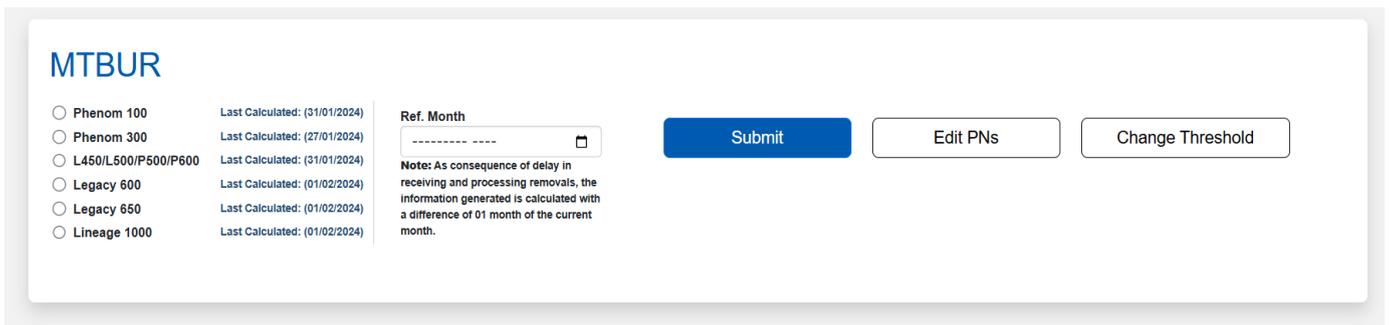


Figure 89 – MTBUR filters.

First is requested to choose the program and then a reference month, to see the data click on “Submit” program. Is also possible to edit the component PN’s by clicking on the button or change the threshold too. Following the sequence of clicking in the “Submit” button a table data will be generated.

Main Components Unscheduled Removals for in Service Fleet Phenom 100 - Up to December 2023														Low/High Profile	Edit Agreed Values	Show Graphs	Excel
RANK	TRAFFIC CRITERIA	PN Group (All Dashes)	PN Family	DESCRIPTION	ATA	SUPPLIER	%FLEET	UNSCHEDULED REMOVALS			MTBUR (FH)			FAULT (Q)			
								ACC	L12M	L3M	ACC	L12M	L3M	ACC			
#1	●	6094A0001-03	6094A0001-07, 6094A0001-08, 6094A0001-05, 6094A0001-03	FLAP LINEAR ACTUATOR	27	EATON	100%	1044	73	21	1782	1714	1451	324			
#2	●	8025B0001-04	8025B0001-05, 8025B0001-03, 8025A0001-09, 8025A0001-08, 8025A0001-07, 8025A0001-05, 8025A0001-04, 8025A0001-03, 8025B0001-04	FLAP SYSTEM CONTROL UNIT	27	EATON	100%	516	52	11	1518	1203	1385	12			
#3	●	011-00878-10	011-00878-20, 011-00878-10	GSA 81 LOW TORQUE AUTOPILOT SERVO	22	GARMIN	100%	470	47	11	5938	3993	4156	206			

Showing 1 to 25 of 57 entries [Previous](#) [1](#) [2](#) [3](#) [Next](#)

Figure 90 – PN’s table data.

In this table is possible to filter at each column. On the top there are four buttons that allow the user to make some edits on the table or see graphs and download the data.



Figure 91 – PN’s buttons.

If the user decides to edit the PNs on the beginning page, the following page will appear to start the process by choosing the program.

Insertion PN

- Phenom 100
- Phenom 300
- Legacy 450/500/P500/P600
- Legacy 600
- Legacy 650
- Lineage 1000

Figure 92 – Edit PN page.

After clicking on submit, the PN family group data will be loaded into a table.

PN (All Dashes)	CONTAINS	GROUP NAME	ATA	SUPPLIER	%FLEET	MTBUR AGREED	MTBF AGREED	QTY	INSERT DATE
Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...
4441122-050	4441122-050	50 CU.FT OXYGEN CYLINDER ASSY, W/ E	35	B/E AEROSPACE	100.0%	55000	68490	1	01/12/2008
860231003	860231003	ACCUMULATOR, EMERGENCY / PARKING BR	32	TACTAIR FLUID CONTROLS	100.0%	23700	---	1	01/12/2008
011-01440-10	011-01440-00, 011-01440-10	AMLCD DISPLAY UNIT (GDU1240A, 12IN)	31	GARMIN	100.0%	7200	---	3	01/12/2008
C-100117-2	C-100117-4, C-100117-3, C-100117-2	ANGLE-OF-ATTACK SENSOR	27	SAFE FLIGHT	100.0%	10000	---	2	01/12/2008
011-00868-10	011-00868-10	ATTITUDE AND HEADING REFERENCE UNIT	34	GARMIN	100.0%	---	---	2	01/12/2008
90005034-1	90005034-8, 90005034-6, 90005034-5, 90005034-7, 90005034-4, 90005034-3, 90005034-2, 90005034-1	BRAKE CONTROL UNIT	32	MEGGITT	100.0%	15725	18750	1	01/12/2008
90005035-1	90005035-2, 90005035-1	BRAKE CONTROL VALVE	32	MEGGITT	100.0%	63750	75000	2	01/12/2008
P99C19-601	P99C19-602, P99C19-601	CARTRIDGE DC AUXILIARY BOOST PUMP	28	ZODIAC	100.0%	60030	---	2	01/12/2008
1133630-8	1133630-13, 1133630-12, 1133630-11, 1133630-10, 1133630-9, 1133630-8	COMPRESSOR DRIVE MODULE	21	ENVIRO SYSTEMS	100.0%	3000	3150	1	01/12/2008

Previous **1** 2 3 Next

Figure 93 – Edit PN data table.

The caption contains options like “Create Group” or “View/Edit Group” and even download the data on “Excel” button.

5.12 – Classifier

It is a machine learning upon to classify the Field Report Fail Code or Final Fix, creating a table editable for user validate and download the classified data. Start filtering the program and then the classification type.

Field Report Automatic Classification

Programs

- Phenom 100
- Phenom 300
- L450/L500/P500/P600
- Legacy 600/650/LSHT
- Lineage 1000/ESHT

Classification Type

- Final Fix Classification
- Fail Code Classification

Figure 94 – Classifier filters.

By choosing Final Fix Classification, a filter of date and ATA will appear. Selecting the information required the following table will be created.

Final Fix Classification

Check all Validation Boxes (actual page)		Uncheck all Validation Boxes (actual page)		Clear filters	Remove all validations (all pages)	Multiple validation
Export to Excel	Validation complete					
VALIDATION	CONTROL NUMBER	FAMILY	DOCUMENT NUMBER	SUBJECT	PROBLEM DESCRIPTION	
Search...	Search...	Search...	Search...	Search...	Search...	Search...
<input type="checkbox"/>	100824	P100	F-HYRL-240913-1		INVESTIGATE O2 LEAK - SYSTEM EMPTY	
<input type="checkbox"/>	100826	P100	F-HYRL-240920-1		RH MAIN GEAR NOT SHOWING UP POSITION	TBS PERF SATISFA/ SENSOR PE
<input type="checkbox"/>	100827	P100	F-HYRL-240927-2		LH FOLDING TABLE WOODEN FAIRING IS DETACHED	FOL
<input type="checkbox"/>	100825	P100	F-HYRL-240920-2		LEFT FWD BAGGAGE DOOR ALARM OPEN	PLUG JO64

Figure 95 – Final Fix table.

It is possible to search for information on the columns and interact with the data by the buttons above. Selecting the “Fail Code” button on the first page, an uploading box will appear, select the file to be analyzed and click “Submit”.

Fail Code Classification

Select all (all pages)	Deselect all rows (all pages)	Clear filters	Remove all validations (all pages)	Multiple validation	Export to Excel	Validation complete	
CONTROL NUMBER	FAMILY	PROBLEM DESCRIPTION	FAIL CODE: CLASSIFIED	FAIL CODE DESCRIPTION: CLASSIFIED	FAIL CODE	FAIL CODE DESCRIPTION: VALIDATED	FAIL CODE
Search...	Search...	Search...	Search...	Search...	Search...	Search...	Search...
99	L500	DAMAGED	572007	ERODED / SEAL			
64	L500	#4 BRAKE WORN TO LIMITS	324013	BRAKE WORN			
56	L500	#4 MAIN WHEEL ASSY OUTER BEARING SEAL WILL NOT SEAT PROPERLY.	324006	TIRE WORN / CORD SHOWING			
50	L500	Add ANAC AD 2020-04-01 R1 (Presently suppressed) Remove this task when complete	600000	TECHNICAL ISSUE NOT RELATED TO FAILURE			
41	L500	Add TCCA AD CF-2021-52 (Presently suppressed) Remove this task when	600000	TECHNICAL ISSUE NOT RELATED TO FAILURE			

Figure 96 – Fail Code table.

The Fail Code Table has seven buttons on the caption that allows the user to interact with the data in the table. The table also allows the user to change the fail code on the column “Fail Code Description Classified” by clicking on the item.



Figure 97 – Buttons.

By clicking in the item, a modal will appear, and the user can choose the correct fail code on the validate column, and input some keywords. Just apply and go back to the table data.

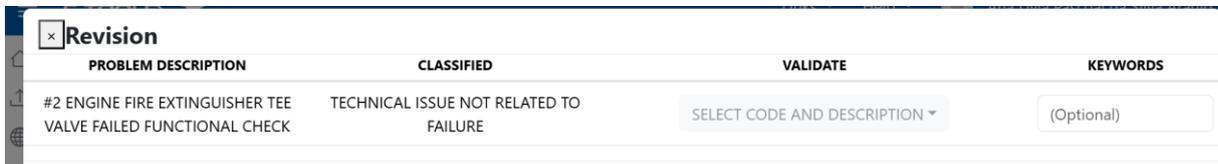


Figure 98 – Fail Code edit modal.

5.13 - AOG

The section presents a dashboard with information about the new aircraft on ground, the flight hours and cycles, failures that occurred and the operator. It provides several charts with the data, such as monthly failures, critical aircraft, early failure, and fleet flight hours and cycles.

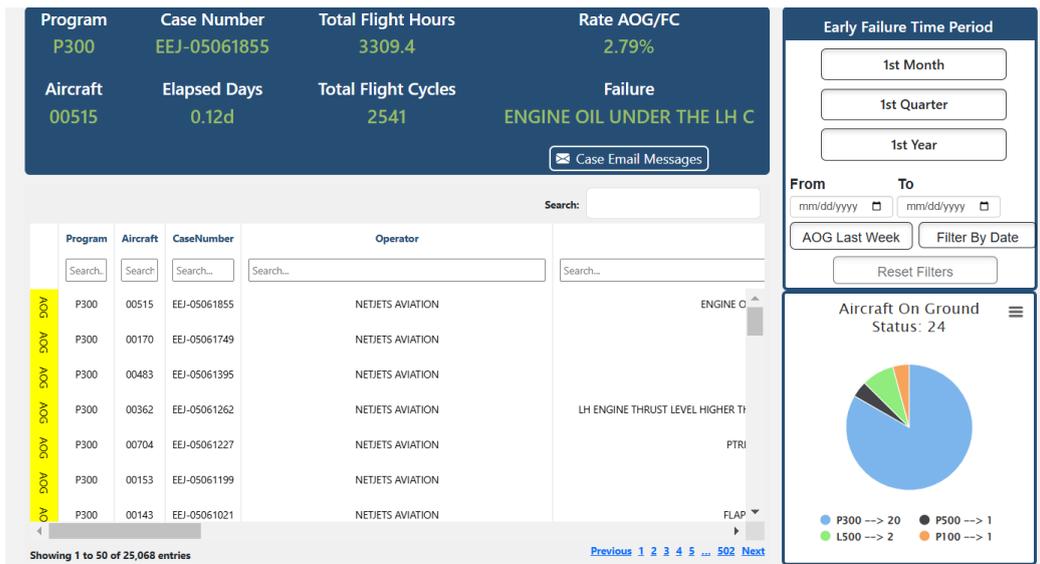


Figure 99 – AOG dashboard.

It provides the program which the aircraft belongs to, the total flight hours, rate AOG/FC, the case number, flight cycles, failure and elapsed days.

Program P300	Case Number EEJ-05061855	Total Flight Hours 3309.4	Rate AOG/FC 2.79%
Aircraft 00515	Elapsed Days 0.12d	Total Flight Cycles 2541	Failure ENGINE OIL UNDER THE LH C



Figure 100 – Aircraft details.

Click on "case email messages" to see the messages about the new AOG. It will open new window with all the messages

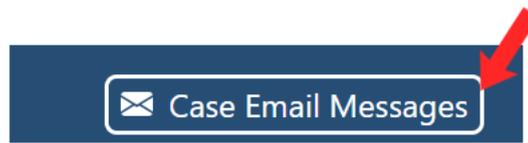


Figure 101 – Case Email Messages button.



Figure 102 – Messages.

The screen presents all the programs with some failure.

	Program	Aircraft	CaseNumber	Operator	
	<input type="text" value="Search..."/>	<input type="text" value="Search"/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>
AOG	P300	00132	EEJ-03062394	NETJETS AVIATION	
AOG	P300	00259	EEJ-05062393	NETJETS AVIATION	
AOG	P300	00265	EEJ-05062366	NETJETS AVIATION	NLG TIRE DAMAGED + RVSM BOX S
AOG	P300	00365	EEJ-05062091	NETJETS AVIATION	PILOT SM
AOG	P300	00515	EEJ-05061855	NETJETS AVIATION	ENGINE OIL
AOG	P300	00483	EEJ-05061395	NETJETS AVIATION	
AOG	P500	10109	EEJ-05060795	EMBRAER EXECUTIVE AIRCRAFT, INC.	EN

Showing 1 to 50 of 25,063 entries [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) ... [502](#) [Next](#)

Figure 103 – AOG information

Click on "search" and type some information to filter the data. The filtered information will appear immediately.

	Program	Aircraft	CaseNumber	Operator	
	<input type="text" value="p100"/>	<input type="text" value="Search"/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>
AOG	P100	00315	EEJ-04955975	ORP AVIATION, LLC	
RTS	P100	00362	EEJ-02447928	ZASFLY	
RTS	P100	00185	EEJ-02457482	FLAIRJET LTD.	BLEED 2 FAIL+
RTS	P100	00222	EEJ-02465785	UNIVERSITY ATHLETIC ASSOCIATION - UNIVERSITY OF FLORIDA	
RTS	P100	00077	EEJ-02465741	BALTAZAR HIGINIO RESENDEZ CANTU	
RTS	P100	00306	EEJ-02474697	CHINA SOUTHERN WEST AUSTRALIA FLYING COLLEGE	
RTS	P100	00081	EEJ-02474600	MARTINAIR INC.	
RTS	P100	00264	EEJ-02229838	PATRUS TRANSPORTES URGENTES LTDA.	INCIDENT RUNW

Showing 1 to 50 of 1,590 entries (filtered from 25,063 total entries) [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) ... [32](#) [Next](#)

Figure 104 – Filter by typing.

Select the early failure period to filter. Also is possible to filter by date or by AOG of last week.

Figure 105 – Early Failure Time Period.

The pie chart can filter data by clicking on a program displayed, it automatically filters the data. Also passing the mouse through it shows the quantity of AOG each program has and right below the chart, there is a subtitle.

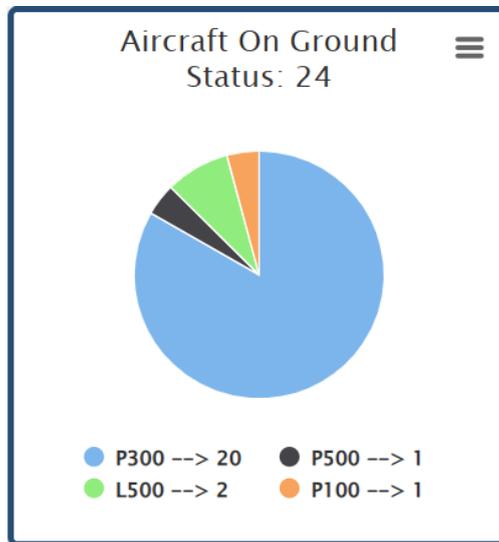


Figure 106 – Pie chart of AOGs

Click on the symbol indicated to open a section with download and visualization options.

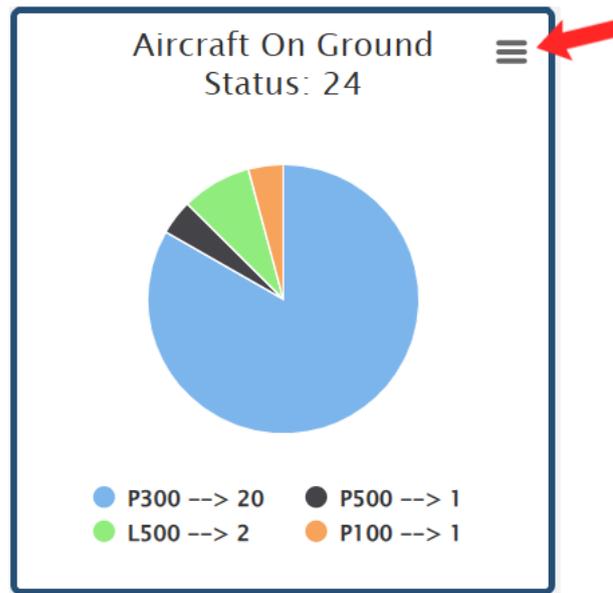


Figure 107 – Visualization options buttons.

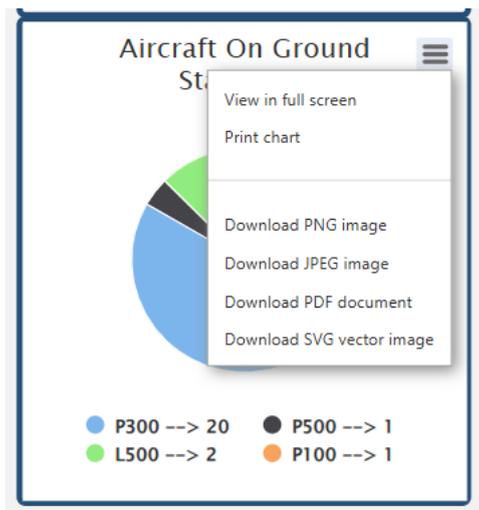


Figure 108 – Visualization options.

Is presented a map with the AOG around the world, the color subtitle is right below.

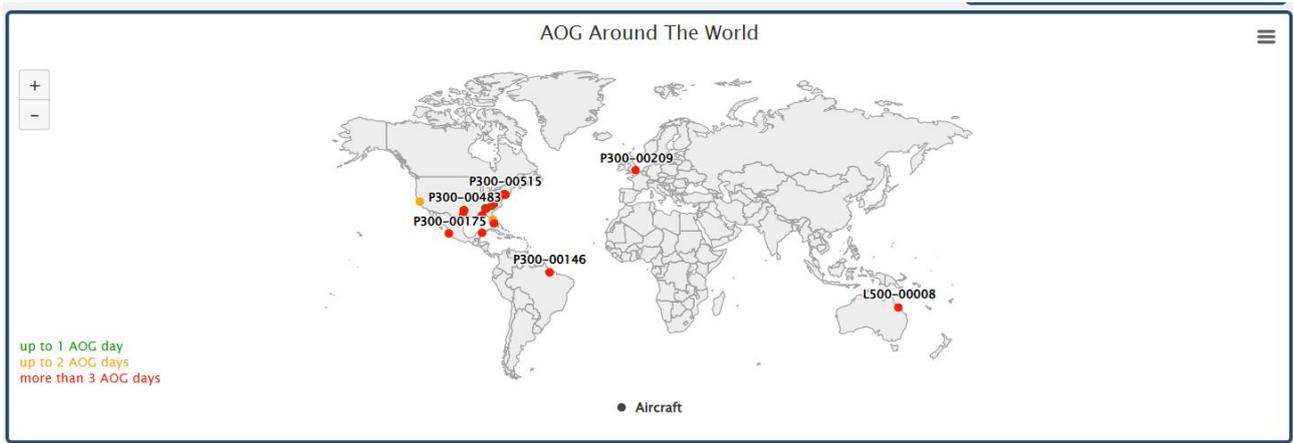


Figure 109 – Map visualization options.

Is presented a chart with the monthly failures. Click on the program to remove it from the chart or add it.

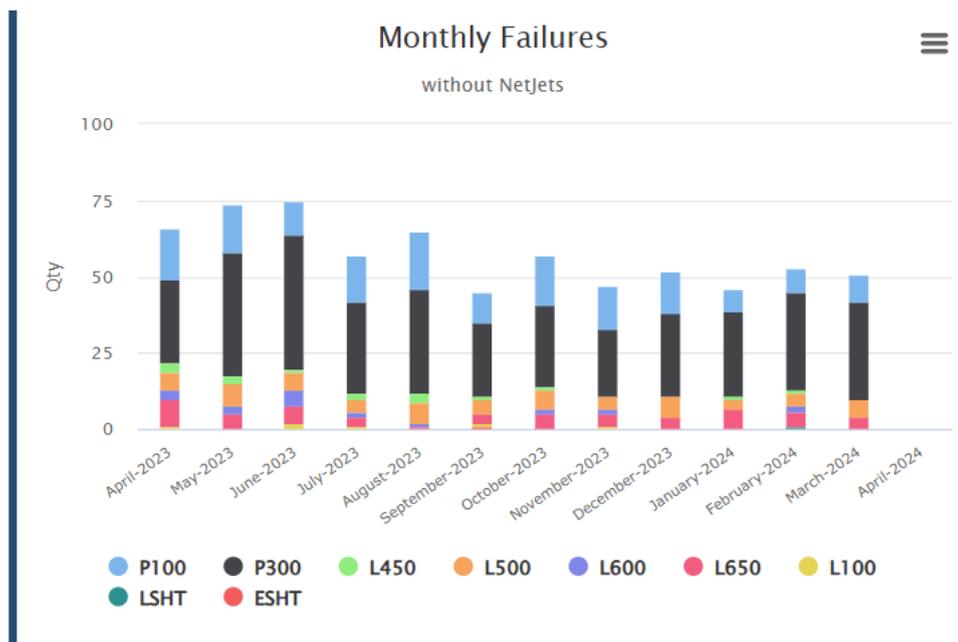


Figure 110 – Monthly failures chart

Is presented a chart with critical aircraft.

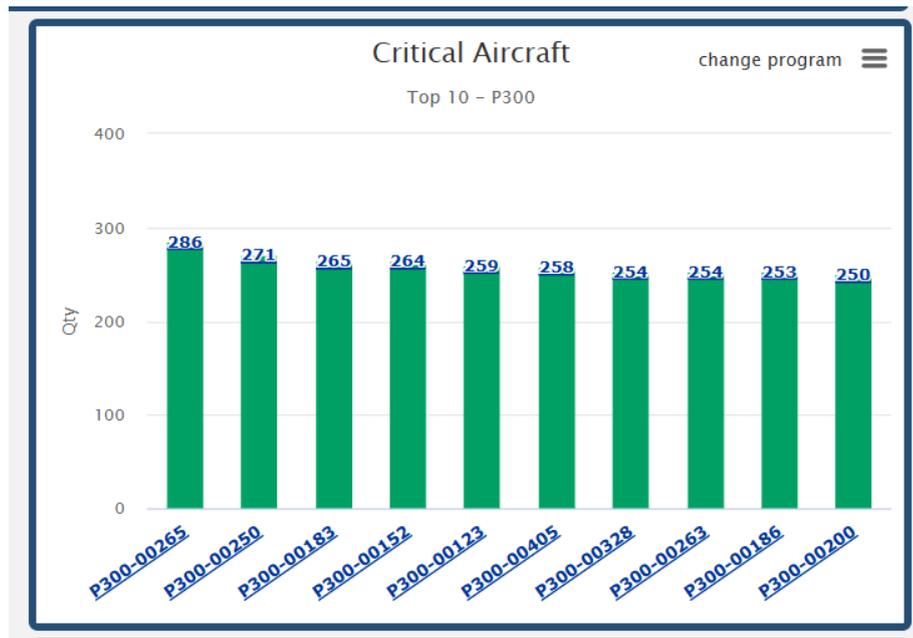


Figure 111 – Critical aircraft chart.

Click to change the program. Each click changes the program.

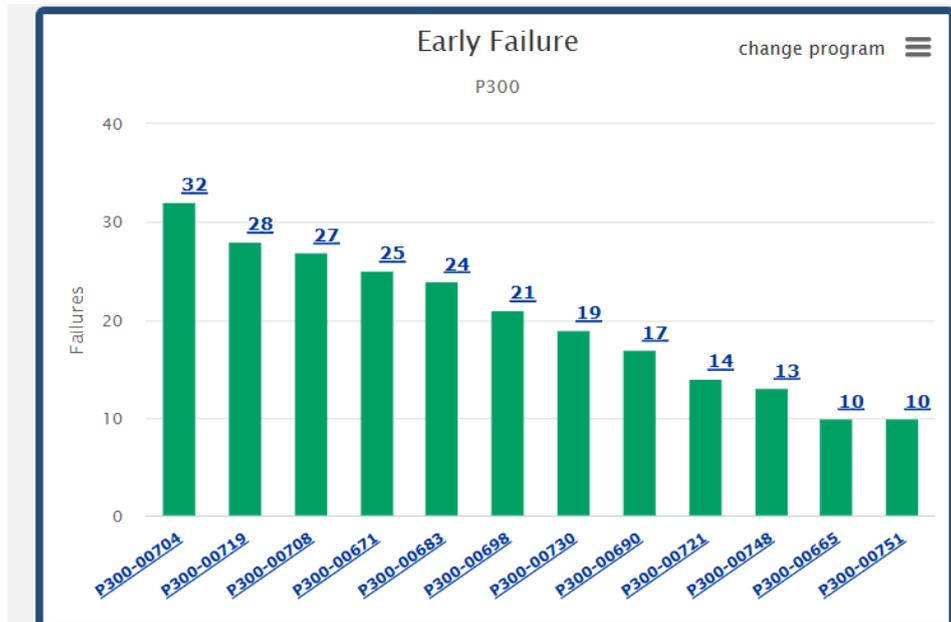


Figure 112 – Change program button.

Click on the aircraft to open a chart with the top 10 problems on the aircraft.

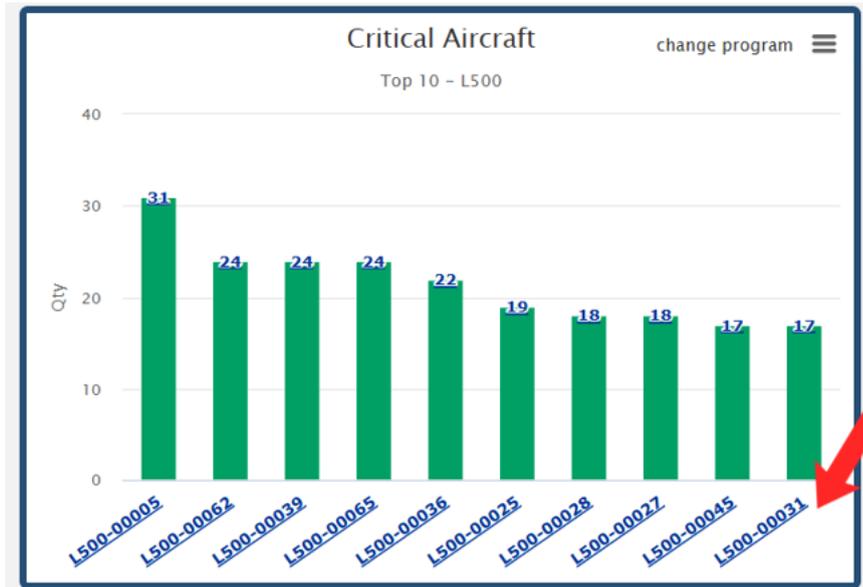


Figure 113 – Selected aircraft.

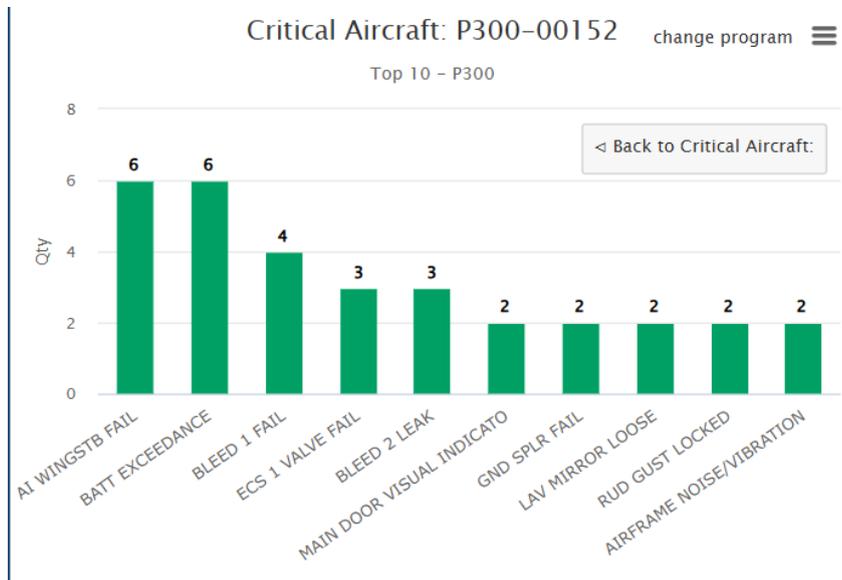


Figure 114 – Top 10 problems on the aircraft.

This chart represents the Early Failures. Click on "change programs" to change the family program. Click on an aircraft in the chart to open a chart with the early failures of the referent program.

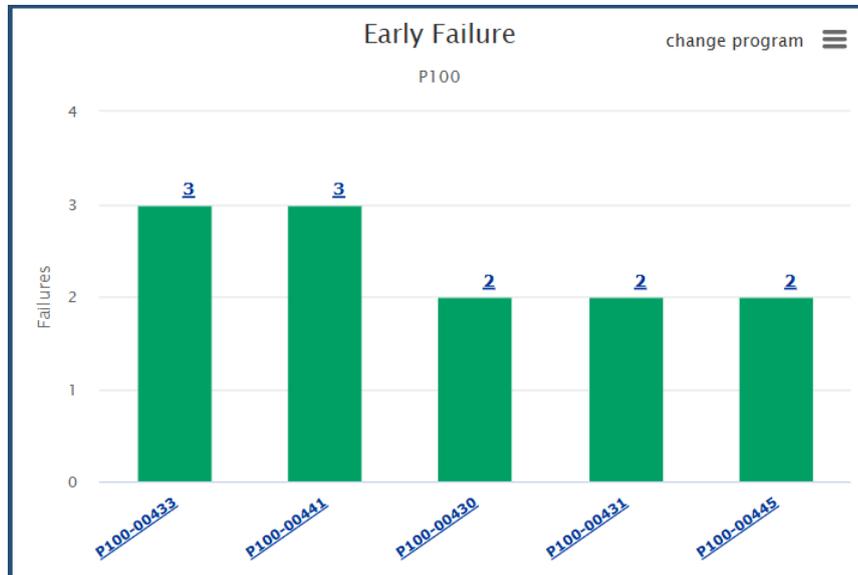


Figure 115 – Early Failure chart.

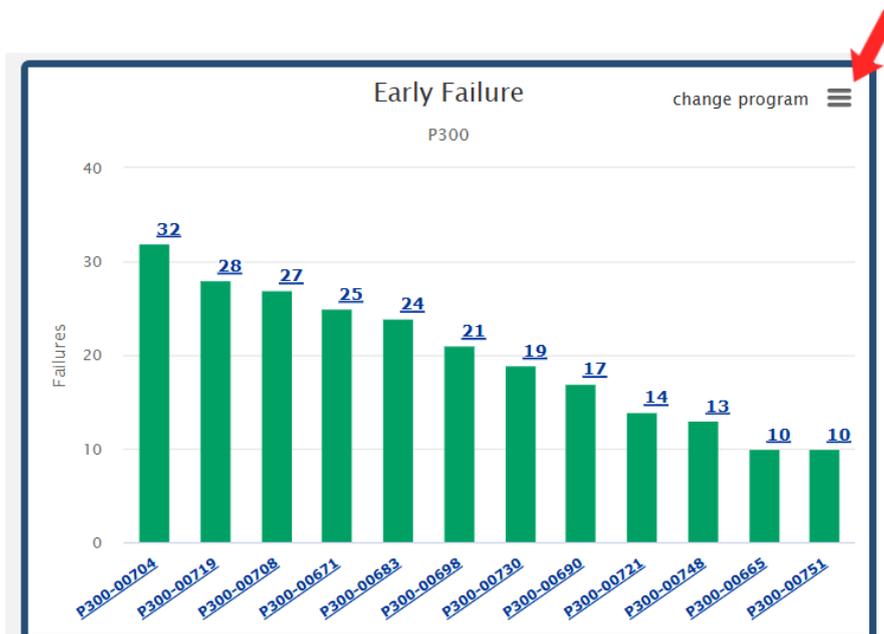


Figure 116 – Change program button.

This chart provides information about the flight hours and flight cycle. Click on the subtitle to remove it or add it in the chart for better visualization.

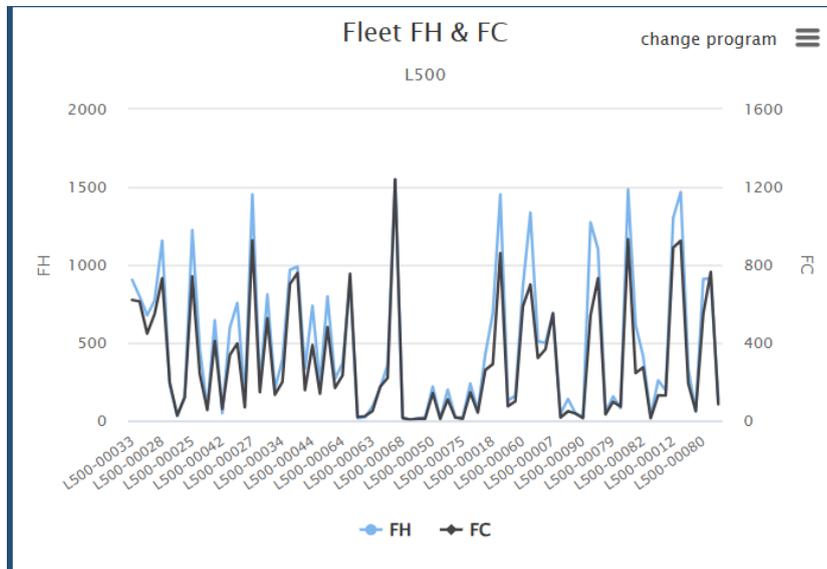


Figure 117 - Fleet FH & FC chart.

To download the file with the data presented, click on the download symbol on the left side of the screen.



Figure 118 – Download symbol.

5.14 – Maintenance Packager

The Maintenance Packager is a module that creates a timeline for maintenance schedule packages in hours and calendar for aircraft based on expected operational profile. Thus, the client can have an idea of aircraft on ground periods and scheduled maintenances.

Maintenance Packager ?

Select a program:

Insert the FH/Year:

Select a period in MO:

Maintenance Blocked:

Figure 119 – MTX Packager filter.

After selecting a program, insert the FH/Year and a period, click on Run. A table like the one below should appear.

Download 

MO	12	24	36	48	60	72	84	96	108	120
FH	100	200	300	400	500	600	700	800	900	1000
	12 MO	12 MO	12 MO	12 MO	3200 FH / 60 MO	12 MO	12 MO	800 FH	12 MO	3200 FH / 60 MO
		24 MO	36 MO	24 MO	12 MO	24 MO		12 MO	36 MO	12 MO
				48 MO	60 MO	36 MO		24 MO		24 MO
								48 MO		60 MO
										120 MO
										T: 120 MO / I: 60 MO

Figure 120 – MTX Packager table.

To see each package on its regular interval, you can select “Maintenance Unblocked” option.

Maintenance Packager

Select a program: Insert the FH/Year: Select a period in MO: 

Figure 121 – Maintenance blocked button.

You can also download the table by clicking on the Download button.



Figure 122 – Download button.

To see detailed information about the MTX Packager you can click on the help icon.

Maintenance Packager

Select a program: Insert the FH/Year: Select a period in MO:

Figure 123 – MTX Help Icon.

5.15 – User control

This page is only for users with administrator permission. Here is possible to manage E-Tools users.

Users



Figure 124 – User control page.