

The logo features the acronym 'ARCS' in a large, bold, blue, sans-serif font. A black silhouette of an aircraft is positioned within the central 'O', appearing to fly through it. The background consists of a light blue and white geometric pattern of overlapping hexagons and rounded shapes, with a faint, larger-scale image of an aircraft flying across the scene.

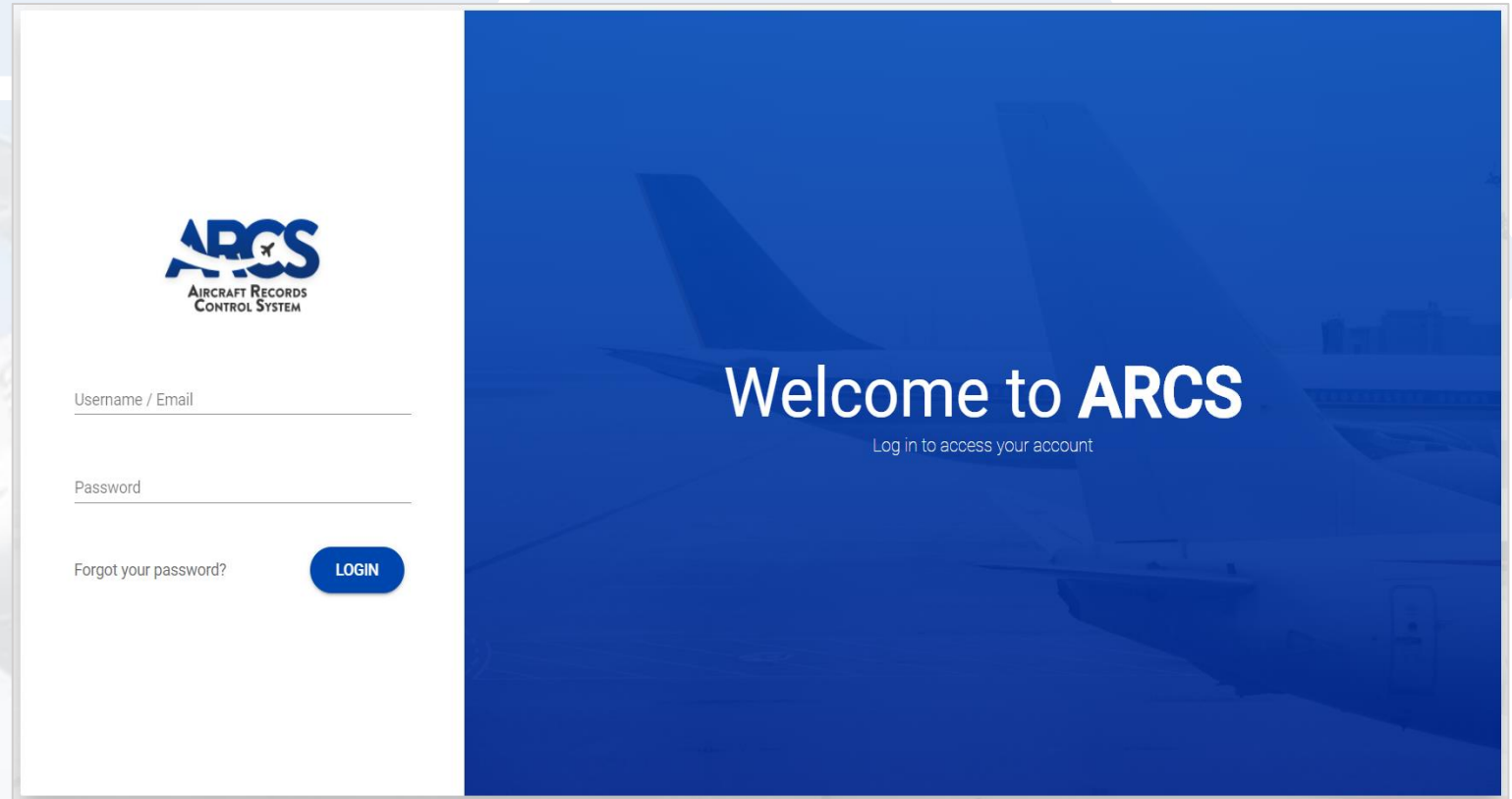
**ARCS**

**AIRCRAFT RECORDS  
CONTROL SYSTEM**

# Why ARCS?



As technical professionals in the aviation industry, we know modern commercial jet aircraft are expensive assets, the value of which could rapidly decrease if not efficiently managed. Individual asset values can vary dramatically even between aircraft of the same make and model depending on the physical condition of the aircraft and the accuracy and completeness of its technical records and maintenance related data.



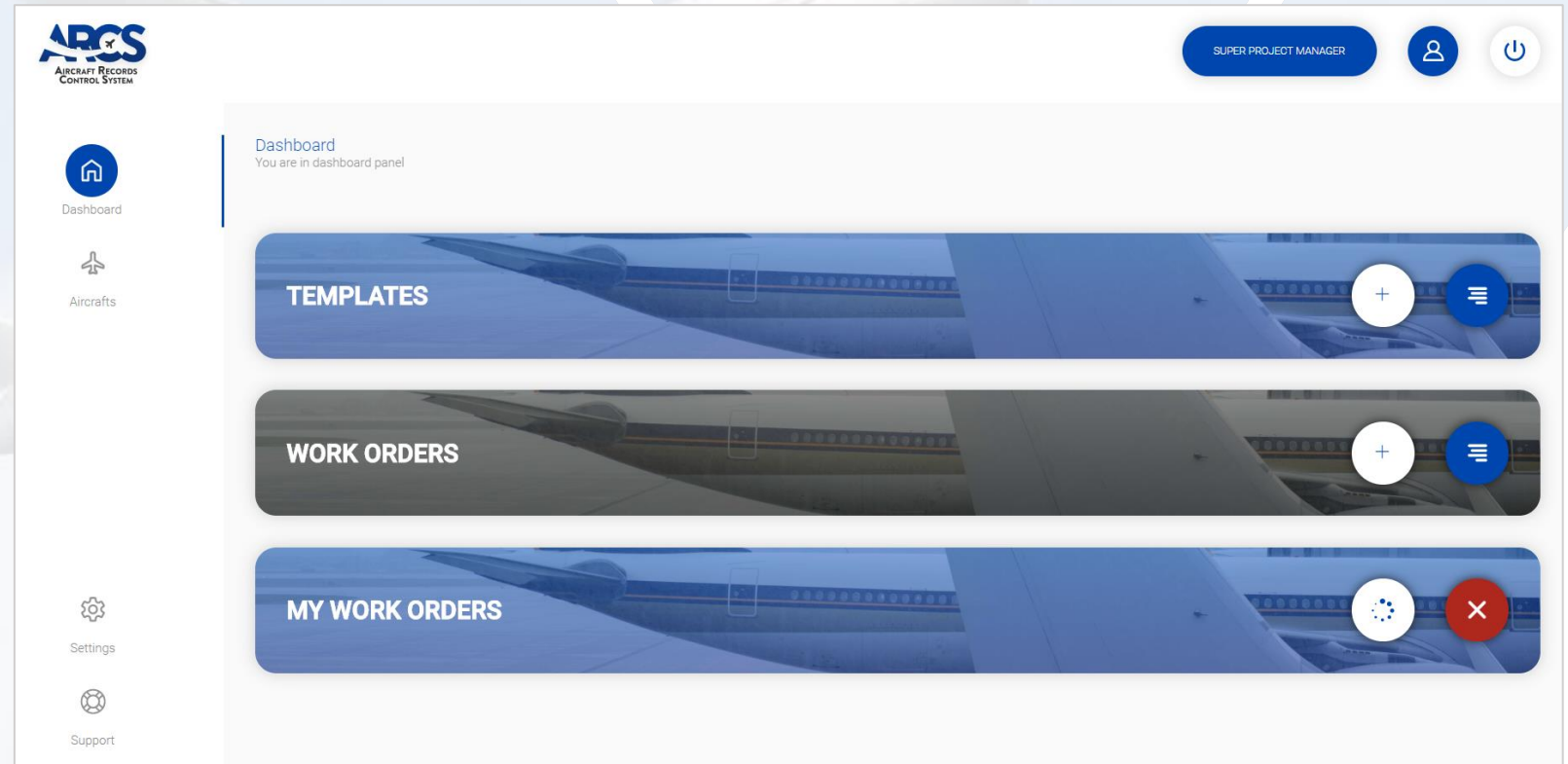
**ARCS, a data control & repository system is designed to mitigate many of the struggles associated with aircraft asset management. ARCS puts real-time technical records health at your fingertips.**

# What is ARCS?



**Designed to minimize the amount of time managing aircraft technical records while maximizing asset values through highly structured technical data, ARCS tracks and presents data in real time.**

The use of ARCS assures customers that the value of each asset is maximized. With aircraft records readily available at all times, this system will provide users the ability to manage and control all digital data through the lifecycle of the aviation asset.



# Benefiting from ARCS



- Minimizing costs involved with the review of aircraft records by optimizing the time spent programming, executing and monitoring inspections and audits.
- Allows users to access real time results of audits and/or the health of its asset records.
- Users can easily access the application from any browser in order to easily complement the documentation of each audit.



# Benefiting from ARCS



- The system **facilitates and quickens** the auditors' job since all information and records remain in the application as the auditor progresses and managers can review and make observations to the documentation simultaneously.
- **Provides total security** in the handling and storage of aircraft information records.
- Designed through a robust technology stack, ARCS is completely web-based with data hosted through a hybrid physical and AWS environment.





# Platform Features



- Role based permissions provide delineated access and approval control: Inspector, Project Manager, Super Project Manager, Admin, Super Admin, Temporary.
- The option of "Temporary User" provides limited access in time and functions users for the upload of documents to compliment any type of audit.

5/6/2019 ARCS

### Users List

Name	Username	Address	Phone
Jorge Guerrero	j.guerrero@seicotechnology.com	Calle 38 No 29 - 36	+57 310 2871940
Luz Vazquez	lvazquez@m3aviationgroup.com	12300 NW 26 St	9547079604
Marcial Casiano	mcasiano@m3aviationgroup.com	12300 NW 26 St	+1 (954) 232-1453
Greg Tejera	gtejera@m3aviationgroup.com	Miami	(305) 298-2081
Julio Roberto Moscoso	r.moscoso@seicotechnology.com	Calle 79B Nro. 55A-18	+57 313 8861928
Marco Bravo	mbravo@m3aviationgroup.com	12300 NW 26 St	+13058823401
Juan Camilo	j.rico@seicotechnology.com	Cra 24 No. 39B 25 Oficina 203	318452020
Mauricio Orjuela	m.orjuela@seicotechnology.com	1511E State Road 434	4076248215
Andres Pirona	a.pirona@seicotechnology.com	Cra 24 No 39 B 25	3204245687
<b>Total</b>			

9

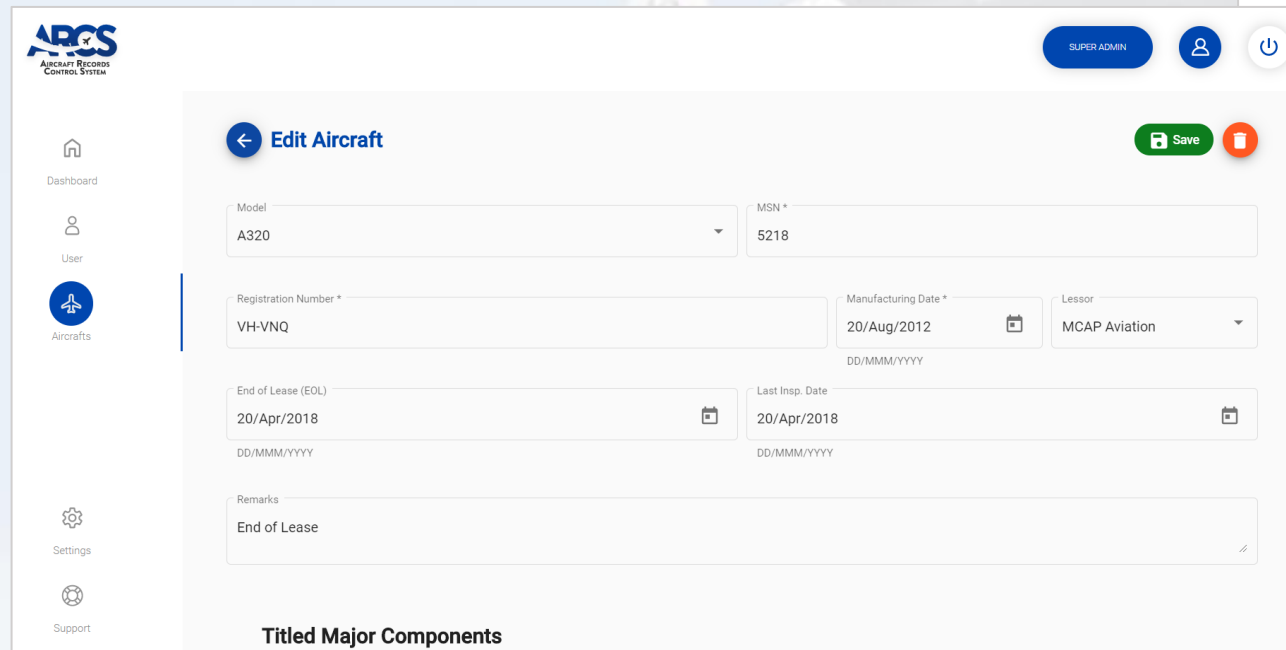
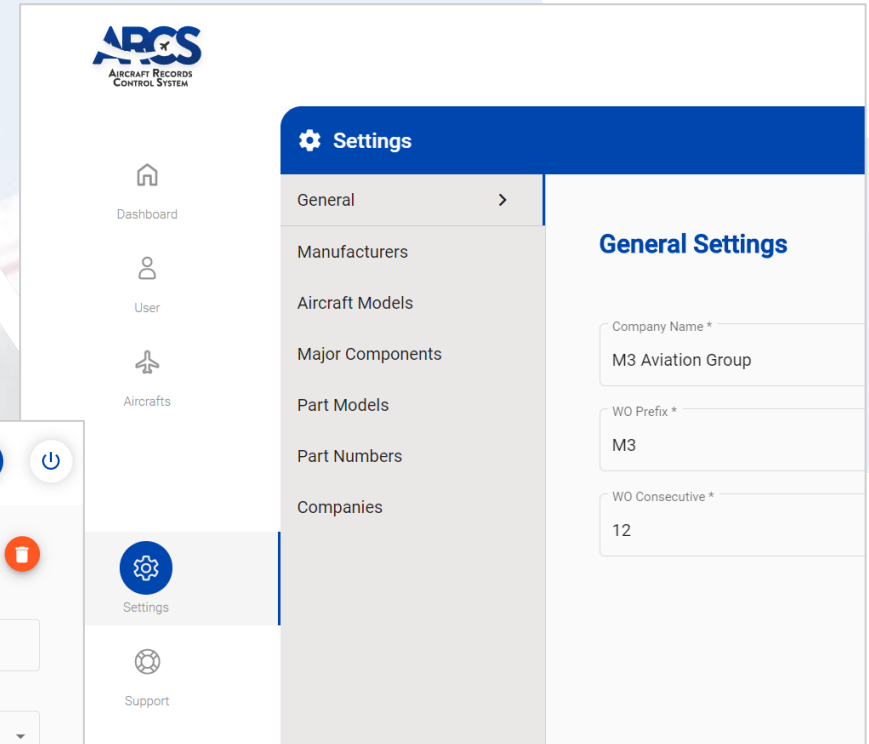
The screenshot shows the ARCS 'Users' management page. It includes a sidebar with navigation options: Dashboard, User, Aircrafts, Settings, and Support. The main content area features a search bar with 'Name' selected and 'Data' entered. Below the search bar is a table with columns for NAME, COMPANY, ROLE, ADDRESS, and PHONE. The table lists several users with their respective details. A 'Print List' button is located in the top right corner of the table area. A red '+' button is visible in the bottom right corner of the screenshot.

NAME	COMPANY	ROLE	ADDRESS	PHONE
Andres Pirona	SEICO Technology LLC	Super Project Manager	Cra 24 No 39 B 25, Colombia	3204245687
Greg Tejera	M3 Aviation Group	Super Project Manager	Miami, United States of America	(305) 298-2081
Jorge Guerrero	SEICO Technology LLC	Super Project Manager	Calle 38 No 29 - 36, Colombia	+57 310 2871940
Juan Camilo	SEICO Technology LLC	Inspector	Cra 24 No. 39B 25 Oficina 203 , Colombia	318452020
Julio Roberto Moscoso	SEICO Technology LLC	Super Admin	Calle 79B Nro. 55A-18, Colombia	+57 313 8861928
Luz Vazquez	M3 Aviation Group	Inspector	12300 NW 26 St, United States of America	9547079604
Marcial Casiano	M3 Aviation Group	Super Project Manager	12300 NW 26 St, United States of America	+1 (954) 232-1453

# Platform Features



- Easy configuration of aircraft models and major components (engines, landing gear and APU's).
- Complete registration of the technical sheet of each aircraft.
- Control of major components by model, part number and quantity for each aircraft.



# Platform Features



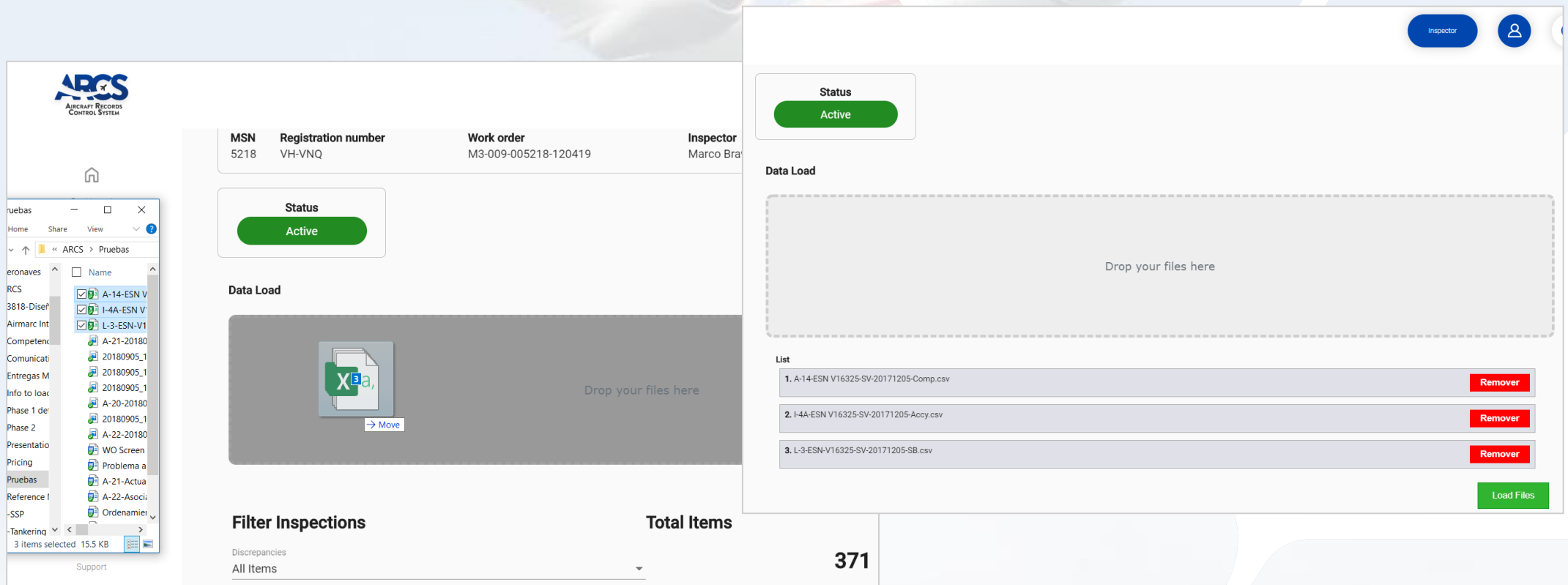
- Creation of work templates with inspection details (checklist), for ease of use on future audits.
- Ability to clone inspection templates to edit and configure new types of audits.

NAME ↑	CREATED AT	UPDATED AT
Inspection Airbus A320	01/Feb/2018	
<b>MARCS (Master Aircraft Records Control Sheet)</b>	01/Feb/2018	



# Platform Features

- Facility to generate work orders with the handling of automatic notifications via email between the inspector and the project manager assigned.
- Multi-file upload (Drag and Drop) with naming pattern recognition specific to WO's and items.



The screenshot displays the ARCS web application interface. At the top left is the ARCS logo. The main content area shows a work order summary with the following details:

MSN	Registration number	Work order	Inspector
5218	VH-VNQ	M3-009-005218-120419	Marco Bra

Below the summary is a 'Status' section with a green 'Active' button. A 'Data Load' section features a large dashed box with the text 'Drop your files here' and a file icon with a 'Move' button. To the right, a 'List' section contains three entries, each with a 'Remover' button:

1. A-14-ESN V16325-SV-20171205-Comp.csv
2. I-4A-ESN V16325-SV-20171205-Accy.csv
3. L-3-ESN-V16325-SV-20171205-SB.csv

At the bottom right, there is a 'Load Files' button. The bottom of the interface shows a 'Filter Inspections' dropdown set to 'All Items' and a 'Total Items' count of 371.


# Platform Features

- Automatic notification and visual (color coded) guide for identifying pending, accepted, or rejected work order items with ongoing, logged commentary.
- The notification system archives communications between the inspector and the project manager on the same platform, about the progress of each audit or project.

**Airframe Statements** 6% ^

SQ	Documents	Files	Guides
C1	(Certified) Current Time in Services (Utilization) and Certified Aircraft Flight Time and Flight Cycle Summary. <span style="float: right;">R</span>		
C2	(Certified) Maintenance History and Forecast (Check History) <span style="float: right;">R</span>		
C3	(Certified) List of Deferred Items <span style="float: right;">R</span>		
C4	(Certified) Inventory of On Condition (OC) / Condition Monitoring (CM) <span style="float: right;">R</span>		
C5	(Certified) Inventory of Hard Time (HT) Components <span style="float: right;">R</span>		
C6	(Certified) Airframe Life Limited Parts (LLP) <span style="float: right;">R</span>		
C7	(Certified) Status of Airworthiness Directives (AD) and AD compliance statement <span style="float: right;">R</span>		
C8	(Certified) Airframe Status of Service Bulletin (SB) Incorporation <span style="float: right;">R</span>		
C9	(Certified) Status of All Modifications <span style="float: right;">R</span>		

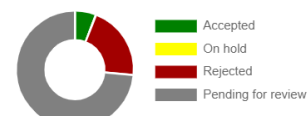
**General Topic Chart**



**7%** Total inspection percentage status

- A Airframe Historical Records
- B Airframe Certificates
- C Airframe Statements

**General Topic Chart**



# Platform Features

**OCR: Optical Character Recognition** enables search for by serial/part numbers, airworthiness directives, service bulletins, and other relevant keywords and phrases.

[← Airplane Inspection](#) [Go to Report](#) [Download all files](#)

MSN	Registration number	Work order	Inspector	Operator	Due Date
5218	N5218	M3-009-005218-120419	Luz Vazquez	Copa Airlines	14/Apr/2019

**Status**  
Active

**Filter Inspections** **Total Items**  
Discrepancies **371**  
All Items

**Document Search**  
Search Here  
5188 [SEARCH](#) [CLOSE SEARCH](#)

- A9** M3-010-005218-120619\_A-9-TESTVARIOS.pdf [+](#)
- A10** M3-010-005218-120619\_A-10-TESTVARIOS.pdf [+](#)

# Platform Features



**Dynamic Fleet Identification** allows for grouping aircraft or assets based on operator, lessor, or other interested party.

The screenshot displays the 'My Inspection List' page in the ARCS system. The interface includes a sidebar with 'Dashboard' and 'Aircrafts' options, a top navigation bar with 'SUPER PROJECT MANAGER', user profile, and power icons, and a main content area with a search filter set to 'Work Order'. Two filter buttons for 'Copa Airlines' and 'Avianca' are visible above a table of work orders. The table has columns for Work Order, Model, Reg. Number, Lessor, Operator, Inspector, and Project Manager. A row of icons for document, refresh, edit, and share is located at the bottom right of the table.

WORK ORDER	MODEL	REG. NUMBER	LESSOR	OPERATOR	INSPECTOR	PROJECT MANAGER
M3-010-005218-120619	A320	N5218	MCAP Aviation	Copa Airlines	Juan Camilo Rico	Julio Roberto Moscoso

# Platform Features



**Bulk Document Upload/Download** provides efficient input of technical records based on file naming convention.

## ← Airplane Inspection

[Go to Report](#) [Download all files](#)

<b>MSN</b> 5218	<b>Registration number</b> N5218	<b>Work order</b> M3-009-005218-120419	<b>Inspector</b> Luz Vazquez	<b>Operator</b> Copa Airlines	<b>Due Date</b> 14/Apr/2019
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**Status**

Active

**0%** Total inspection percentage status

**A** Airframe Historical Records 0%

SQ	Documents	Files	Status	Guidelines
A1	Delivery agenda / Summary Sheet		Pending f... ▾	
A2	Aircraft Readiness Log		Pending f... ▾	
A3	Type Certificate		Pending f... ▾	

# Platform Features



- ARCS **facilitates the analysis** of the progress of each audit as well as filtering the items to know which have open discrepancies or which are already accepted and closed.
- The system **generates reports** of each audit based on a previously established format, to include Excel Discrepancy Reports, Graphs, and Portable Document Format (pdf) for ease of sharing.

5/6/2019 ARCS

**Overview Report**

MSN	Registration number	Work order	Inspector	Operator	Due date
5218	VH-VNQ	M3-009-005218-120419	Luz Vazquez	Copa Airlines	14/Apr/2019

Report issue date: 06/May/2019

**Summary Page**

Topic	Items	Open Items	Open Discrepancies	Closed Discrepancies
A Airframe Historical Records	44	44	0	0
B Airframe Certificates	24	15	0	9
C Airframe Statements	34	25	7	2
D Airframe Records	39	34	3	2
E Airframe Configuration	15	13	0	2
F Airframe Manuals	25	24	0	1
G Airframe Miscellaneous	7	7	0	0
H Airframe Records Summary List	1	1	0	0
I ENGINE HISTORICAL RECORDS	26	25	0	1
L Engine Records	18	13	2	3
J Engine Certificates	2	2	0	0
K Engine Statements	13	9	0	4
M Engine Manuals	1	1	0	0
N Engine Photos	1	1	0	0
O APU Historical Records	7	7	0	0
Q APU Statements	12	11	1	0

M3 Aviation Group, LLC. (Logo)

Photo

Customer	
Owner/Lessor	
Operator/Lessee	
Survey period	
Location of survey	
Report issue date	

M3 Aviation Group, LLC. (Logo)

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