ISHIR enhances portal to manage aircrafts for Aircraft Maintenance Management Company

Client

The client has a portal from where Aircrafts owners can manage the logs of their aircrafts and keep a record of service and maintenance period so that they do not miss anything related to the parts replacement and regular services.

Challenges

The client provides its users with a login that opens a gateway to the application where users can have online access to the logbook entry details, yellow tags, 8130s and other release documents. The portal also allows the aircraft owners to enter the details of their aircrafts while adding them to the portal.

The portal was developed in classic ASP and the client wanted to continue with the same technology as they had inhouse experts in the same technology. The client used SQL Server as database.

Solution

The client sought ISHIR's help to add new functionalities in the portal such as addition of more details related to aircraft at the time of adding it and maintaining its history. These include details such as work performed on the aircraft, date on which the work performed was completed, the total time in service of the airframe, each engine, each propeller, and each rotor, status of life limited parts of each airframe, engine, propeller, rotor, and appliance, the time since last overhaul of all items installed on the aircraft which are required to be overhauled on a specified time basis, inspection status of the aircraft, including the time since the last inspection required by the inspection program under which the aircraft and its appliances are maintained, status of applicable airworthiness directives (AD) and other such details.

ISHIR's team was responsible for other functionalities like subscription module, payment gateway and admin console changes.

Below are some of the enhanced screenshots from the portal.

N999NG Aircraft Details

N999NG ⬍ Select

Make:	Piper
Name:	Meridian
Model:	PA46-500TP
Serial Number:	4697022
Aircraft Year:	2001
Owner:	Aerotech Flight Services
Date Acquired:	8/14/2006
Based:	Bedford, MA
Empty Weight:	3454.31
Gross Weight:	4850
Cost Per Hour:	180
Beginning ATT:	464.5
Starting Cycles:	530
Default Install Date:	12/21/2000

Aircraft Status:
Hobbs: 2946.7
Total Time: 2946.7
Total Cycles: 2634

Engine #1
Hobbs: 2946.7
TIS: 2946.7
Cycles: 2616

Save   Reset

Sidebar:
- AIRCRAFT DETAILS
- EQUIPMENT
- WORK ORDERS
- LOCATIONS
- NOTICES
- PILOTS
- FLIGHTS
- REPORTS
- REGISTRATION

Login   Demo Aircraft   Add Aircraft   Contact Us

Create a Guest Log-In

In order to see the Demo Aircraft Maintenance Records you must sign in with a valid Guest Member ID.

Complete this form and then submit

E-mail Address:	
First Name:	
Last Name:	
Password:	••••••
Confirm Password:	

Submit   Reset

Aircrafts

Delete Add View Permissions View Subscription

| 1 | 2 Show All

Registration ▲	Aircraft Type	Serial#	Year	Current Hobbs	Beginning ATT	Beginning Cycles	Active
I-3434	Malibu Mirage	1234	2009	1.0	1.0	1	False
N12345	Conquest II	441-0101	2001	841.2	5,280.9	3674	True
N14NW	Conquest II	441-0171	1980	14,643.7	14,578.9	7241	False
N171AF	Cheyenne	31T-7920089	1979	5,723.3	5,699.8	7150	False
N1DEMO	Malibu Mirage	46-552255	1990	232.6	78.5	66	True
N1test	Malibu Mirage	54321	2000	12.3	300.0	144	True
N334CA	Cheyenne	31T-7904034	1979	1,659.1	4,858.3	0	False
N358DB	Bonanza	E-3518	2003	4.7	4.7	0	False
N421CQ	Golden Eagle	421C-1218	1982	6,130.0	0.0	0	False
N4532W	Commander	13041	1976	2,015.9	1,665.0	900	False
N462LT	Malibu Mirage	46-36056	1990	1,100.0	1,100.0	440	False
N46MB	Malibu	46-8508021	1985	3,083.0	3,083.0	0	False

User :

- Aircraft
  - Aircraft
  - Aircraft Type
- Equipment
- Notice
- User
- Lookup
- Manage Files

Enter the information for your aircraft and click Continue

Aircraft Registration:*
Aircraft Make and Model:* << Select one >>
Model Year:*
Aircraft Serial Number:*
Manufacture Date:*
Aircraft Hobbs:*
Aircraft Total Time:*
Aircraft Total Landing Cycles:
Aircraft Base FBO/Airport:
Owner Member ID:*
Owner (Company or Person):*
Address Line 1:*
Address Line 2:
Address Line 3:
City:*
State/Province:* << Select one >>
Postal Code:*

Continue Cancel

Add Aircraft Type

Make: Please select one
Name:
Model:
Number of Engines: 1
Engine Type: Please select one

Submit Cancel