CLAIMS

1. A computer-implemented method for managing an aviation resource bidding process, the method comprising the steps of:

obtaining, by a sales module, an aviation resource bidding invitation data associated with at least one airline;

creating, by the sales module, an aviation resource bidding reply data, the aviation resource bidding reply data configured to respond to the aviation resource bidding invitation data;

including, by a supplier module, a quotation data to the aviation resource bidding reply data, wherein including the quotation data includes selecting an aviation resource supply price and a fee group template of at least one airport associated with the at least one airline, and selecting a previous aviation resource supply price and fee combination of the at least one airport associated with the at least one airline;

developing, by the sales module, a supply strategy based on the quotation data, wherein the developing includes calculating, by the sales module, an estimate based on the supply strategy, the estimate based on a supply volume and a discount parameter;

submitting, by the sales module, the aviation resource bidding reply data, the supply strategy and the quotation data to a processor associated with the at least one airline; and

generating, by the sales module, a contract document upon a positive determination that a bid result is successful,

wherein the sales module and the supplier module are each configured to be securely accessed by one or more users via one or more graphical user interfaces (GUIs).

2. The method of claim 1, wherein the processor associated with the at least one airline is an aviation resource bidding module, the aviation resource bidding module configured to

determine a bidding status based on the aviation resource bidding reply data and the quotation data.

3. The method of claim 2, wherein upon a positive determination that the bidding status is a successful bid, a cancelled bid, or an unsuccessful bid, the sales module is configured to update an approval module.

4. The method of claim 3, wherein the approval module is further configured to receive the supply strategy from the sales module for approval.

5. The method of any one of the preceding claims, wherein the aviation resource includes aviation turbine fuel.

6. The method of any one of the preceding claims, wherein the creating of the aviation resource bidding reply data includes adding at least one airport data, the airport data comprising airport codes registered by the International Air Transport Association (IATA) or the International Civil Aviation Organization (ICAO).

7. The method of any one of the preceding claims, further comprising a step of collating airline data and tender information from a plurality of partner airline modules before obtaining the aviation resource bidding invitation data.

8. The method of any one of the preceding claims, further comprising creating a bidding invitation directory associated with each of the at least one airline, and entering

details of the bidding invitation contract of one or more airport data associated with the at least one airline.

9. The method of any one of the preceding claims, wherein the aviation resource bidding invitation data is obtained from one or more encrypted electronic mails.

10. The method of any one of the preceding claims, wherein the developing of the supply strategy includes modifying the quotation data using an expense parameter, the expense parameter includes past jet fuel sales prices and fee combinations of the at least one airport associated with the at least one airline.

11. A system for managing an aviation resource bidding process, the system comprises a processor, the processor comprises a sales module and a supplier module, and configured to:

obtain, by the sales module, an aviation resource bidding invitation data associated with at least one airline;

create or generate, by the sales module, an aviation resource bidding reply data, the aviation resource bidding reply data configured to respond to the aviation resource bidding invitation data;

include, by the supplier module, a quotation data to the aviation resource bidding reply data, wherein, in the inclusion of the quotation data, the supplier module is configured to select an aviation resource supply price and a fee group template of at least one airport associated with the at least one airline, and a previous aviation resource supply price and fee combination of the at least one airport associated with the at least one airline;

develop, by the sales module, a supply strategy based on the quotation data; wherein the development includes calculating an estimate based on the supply strategy, the estimate based on a supply volume and a discount parameter;

submit, by the sales module, the aviation resource bidding reply data, the supply strategy and the quotation data to a processor associated with the at least one airline; and

generate, by the sales module, a contract document upon a positive determination that a bid result is successful,

wherein the sales module and the supplier module are each configured to be securely accessed by one or more users via one or more graphical user interfaces (GUIs).

12. The system of claim 11, wherein the sales module and the supplier module are each configured with different access for different user groups.

13. The system of claim 11 or 12, wherein the processor associated with the at least one airline is an aviation resource bidding module, the aviation resource bidding module configured to determine a bidding status based on the aviation resource bidding reply data and the quotation data.

14. The system of claim 13, further comprising an approval module, wherein upon a positive determination that the bidding status is a successful bid, an unsuccessful bid, an ongoing bid, or a cancelled bid, the sales module is configured to update the approval module; wherein in the determination that the bidding status is the successful bid, a bid contract is generated, and the bid contract is parsed and a quantity of the aviation resource determined.

15. The system of claim 14, wherein the approval module is further configured to receive the supply strategy from the sales module for approval.

16. The system of any one of claims 11 to 15, wherein data processed by the sales module and the supplier module is stored in a decentralized database or ledger.

17. The system of any one of claims 11 to 16, wherein, in the development of the supply strategy, the sales module is configured to modify the quotation data using an expense parameter, the expense parameter includes past jet fuel sales prices and fee combinations of the at least one airport associated with the at least one airline.

18. The system of any one of claims 11 to 17, wherein each of the sales module and the supplier module is configured to provide at least one user interface for respective users to input data, wherein the input data includes airport data, cost data, bidding invitation data, file data.

19. The system of any one of claims 11 to 18, wherein the aviation resource includes aviation turbine fuel.

20. An airport aviation turbine fuel management system, the airport jet fuel management system configured in data communication with the system of claim 19 to receive the quantity of the aviation turbine fuel determined and to provide the aviation turbine fuel to one or more aircrafts.