

# QATAR PROJECTS AND ACHIEVEMENTS 2024

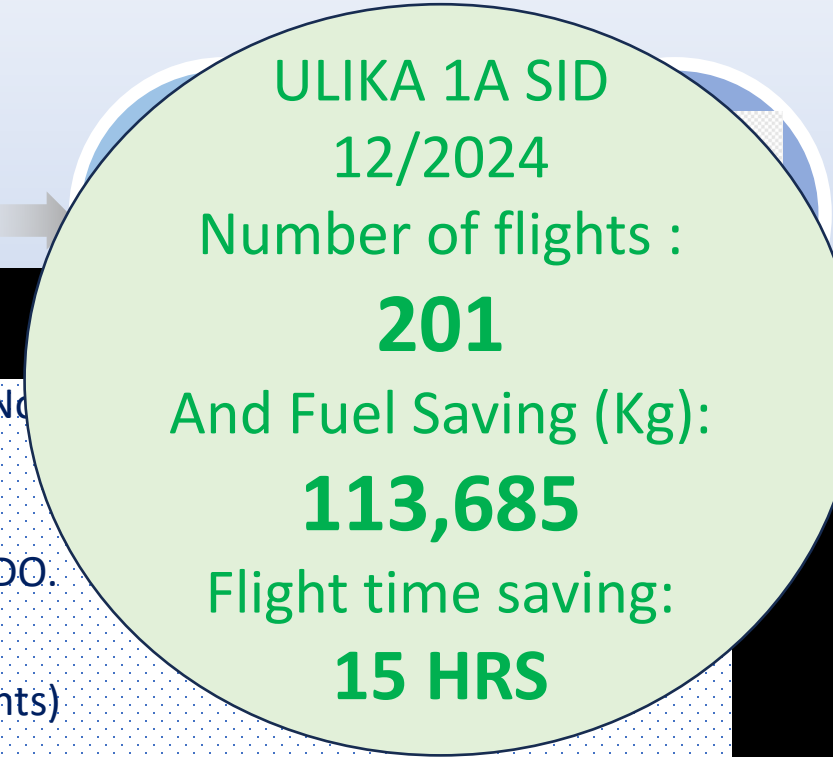


17<sup>TH</sup> – 19<sup>th</sup> February 2025

Cairo, Egypt

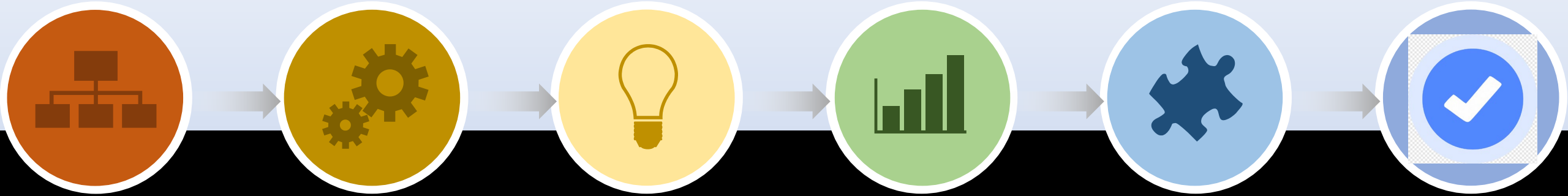
Gonca Demiroz

# APP-ACC UNITS



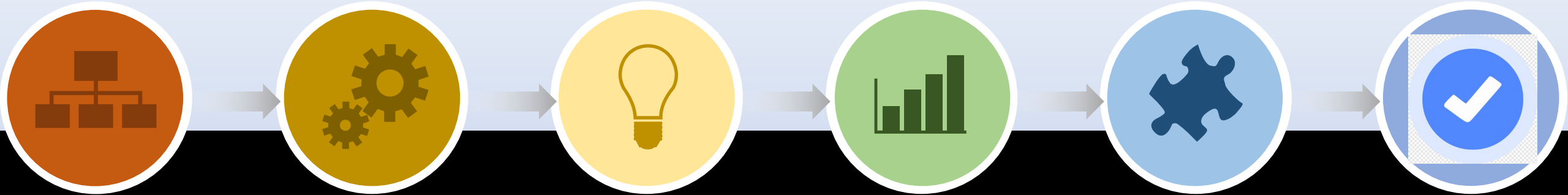
- CCO (New SIDs) TULUB 1A/LUBET 1A/ULIKA 1A New CCO SID Implementation 28 Nov 2024. Routing Improvements Discussions with Adjacent Units.
- Ongoing New Cross Over STARs Implementation for OTHH Eastern Runway.
- Ongoing New STARs Implementation for OTHH/OTBD to support advanced CCO-CDO.
- STAR Issuance and Planning Guidance for OTHH.
- Flexible Use of Airspace (FUA) Improvements. (Civil-MIL Coordination Improvements)
- Qatar AIP Charts SID Initial Level Updates.
- Implementation of Distance Base Separation Tool.
- Enhancement of Area Proximity Warning (APW) for FUA and Special Missions.
- RECAT6 Implementation.
- Ongoing OLDI implementation activities with Kingdom of Saudi Arabia

# APP-ACC UNITS



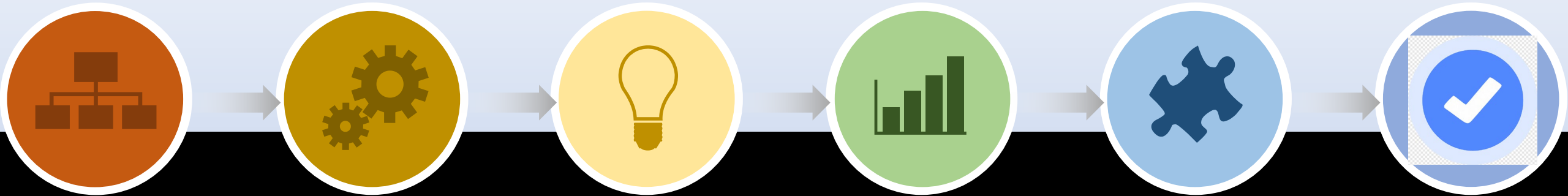
- Twelve (12) meetings with Stakeholders regarding Operational Procedures.
- Five (5) internal meetings for QNANP development. The QNANP first revision drafted in February 2025.
- AMAN implementation is ongoing.
- Redesignation of Missed Approach Procedures for OTHH.
- Redesignation of OTHH RNP Approaches (LNAV, LNAV/VNAV) to overlay the ILS LOC.
- Free Route Airspace (FRA) implementation.
- Cross Border FRA with UAE initiated. Planned to be implemented by 17 April 2025.
- Digital platform implementation for Emergency/Abnormal Situations Checklists.
- Digital platform implementation for ATCOs to acknowledge operational instructions.
- QATCC – New Building.

# HAMAD TOWER UNIT



- V Tower training and implementation – Go-live date pending February 2025.
- Electronic Flight Progress Strip (EFPS) System Update, OTBD Integration and new procedures such as SID Confidence Check.
- RRSN 24H implementation.
- RECAT 6 implementation.
- DMAN updates and advancements.
- New helicopter routes and procedures.
- Stand renumbering for Concourses E & D Effective February 2025.
- FOD barrier installation.
- Additional modes of operation implemented for runway balancing.
- New equipment installation in VCR including additional PC console, vaisala and meteorological enhancements.

# DOHA TOWER UNIT



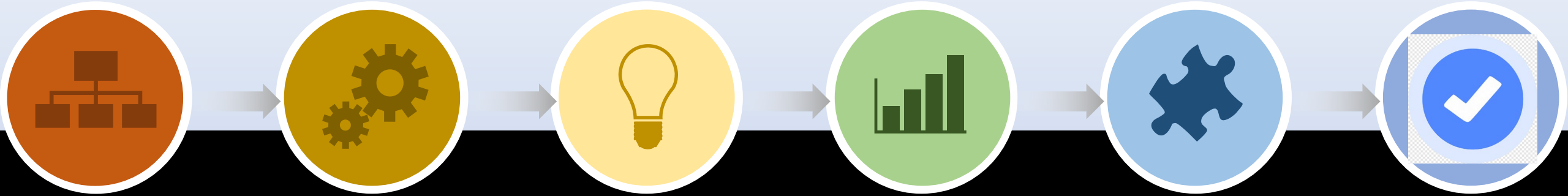
- EFPS implementation.
- RECAT 6 implementation.
- NEW VFR routes and procedures.

For Fixed Wings and Rotary Wings

New Reporting Points

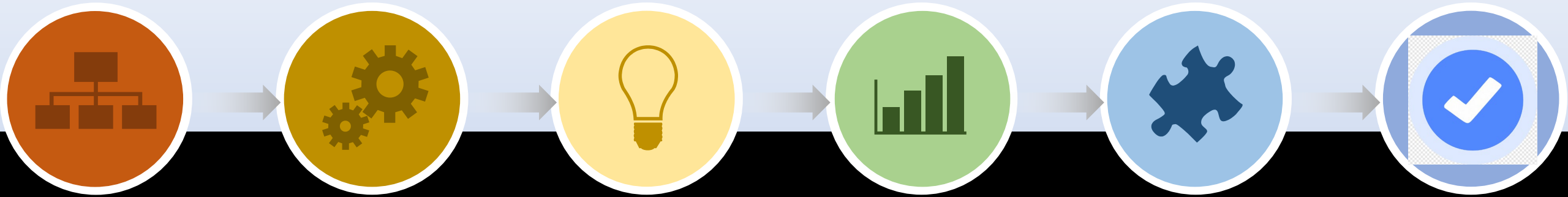
- Introduction of Competency based Training and Assessment including updated Unit

# CNS UNIT



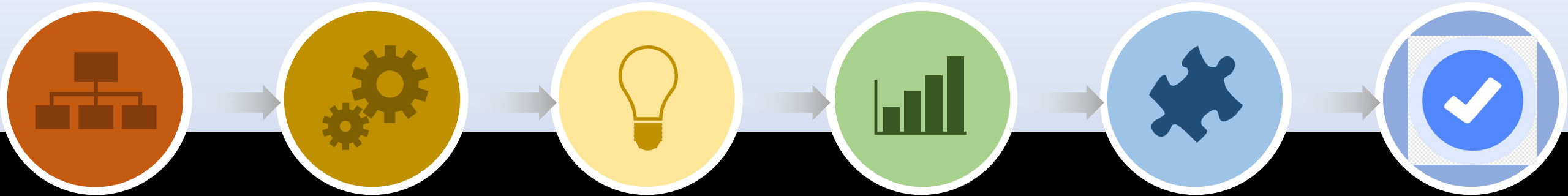
- Bi-yearly routine flight checks of all navigational aids (ILS, DVOR and DME) operational at OTHH and OTBD.
- GBAS: Ionospheric data collection, analysis and feasibility study report completed. Familiarization Training on GNSS and argumentation system (GBAS/SBAS/ABAS).
- Installed/commissioned OTHH DVOR & collocated High Power DME (as a replacement due obsolescence of old DVOR & HP DME).
- Integrated Controller Working Position (ICWP) Improvements - L5, Full Implementation Agreement by December 2025.
- L band Radar installed and commissioned for QFIR.
- A-SMGCS Level 2 at OTHH/OTBD implemented.

# COMMUNICATION OPERATIONS



- Upgradation of IFPS “Integrated Initial Flight Plan Processing System”, to share the 3rd Party ORMs (Operational Reply messages) with Flight Plan originator. Improvement of System functionality.
- Provision of pilot portal for airlines operator to file flight plan.
- Online platform (Web based) for Qatar Landing and Overfly permission. Implementation status: Testing phase. Implementation in February 2025.

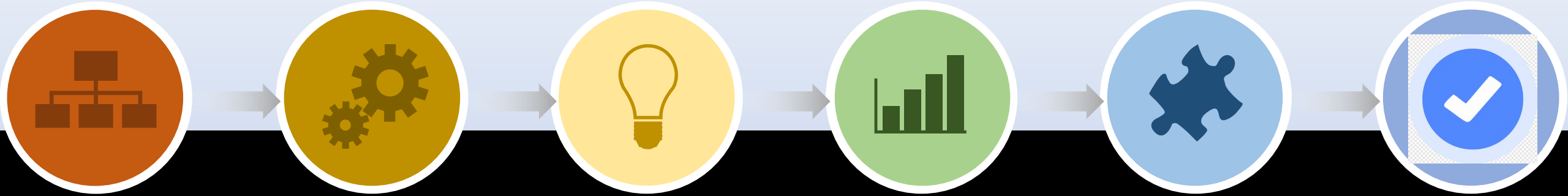
# AIM UNIT



- Partial implementation of workflow management system for digital data sets publication.
- Partial implementation of the provision of digital AIP data sets (AIXM5.1 format).
- Partial implementation of the provision of digital Obstacle data sets (AIXM 5.1 format)
- Partial implementation of the provision of digital Terrain data sets (GeoTiff).
- Partial implementation of Aeronautical SWIM Services (datasets and digital NOTAM message service).
- Design and develop New SID CCO at OTHH.
- Design and develop New RNP instrument approach procedure.
- Revision of OTHH ILS Circling Minima.
- Revision of OTHH RWY 16L Intermediate MOCA.
- Modification of OTHH ILS missed approach procedure.
- Design and develop five (5) new STARs at OTHH
- Revision of fifteen (15) STARs at OTHH due to the new STAR procedures

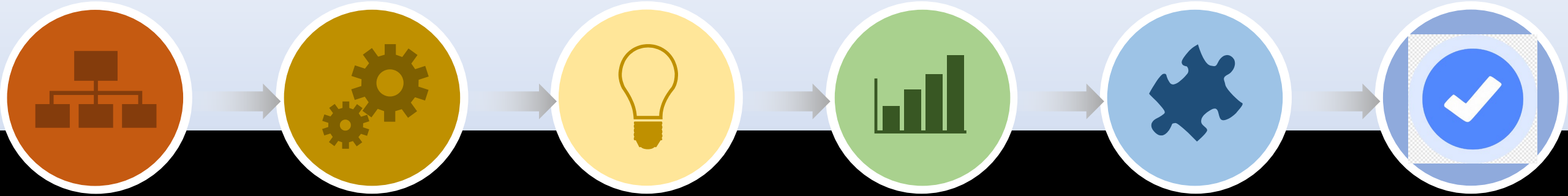


# ATFM UNIT



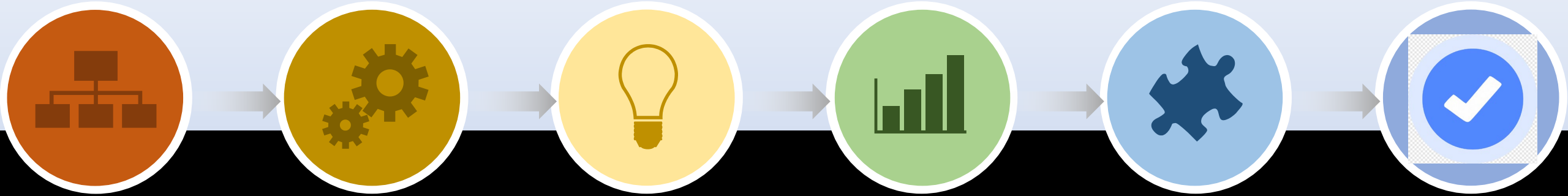
- Metron Aviation software provider & Doha ATFM follow up meetings and improvements, adaptations, and new software releases.
- Prepared joint Work Proposal with Kingdom of Saudi Arabia on developing a regional ADP and CDM.
- Providing OTHH TWR with predicted Runway fix balancing information for three peak departure periods.
- Runway SID Balancing since 27th October 2024 Winter Schedule.

# TRAINING UNIT



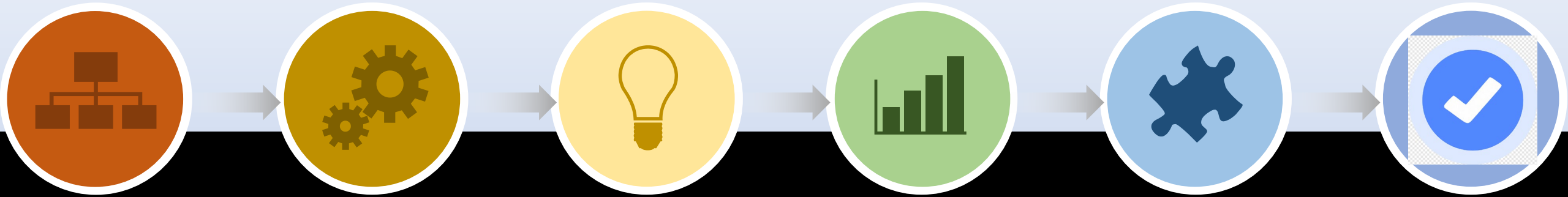
- On-the-Job Training Instructor (OJTI) Courses (14/Nov/2023 - 01/Sep/2024).
- ATC Assessor Courses (19/Nov/2023 - 04/Sep/2024).
- RECAT6 Training.
- ABES Training for all ATCOs.
- Digitalized Examination and Training Platform Implementation (15/Oct/2024 to 01/Jul/2025).
- Implementation of SharePoint Platform (05/Feb/2024).
- Refresher Training for Basic ATC Course (08/Oct/2023 – 22/Sep/2024).
- Airside Radio Telephony (RT) Procedure Refresher (09/Apr/2024).
- Remedial Trainings for ATCOs.
- ACS/APS Refresher Courses.

# IMS UNIT



- ISO 9001:2015 certification accreditation.
- Ongoing EASA certification accreditation.
- Number of external audits prepared for International Civil Aviation Organization (ICAO), Air Navigation Safety Inspectorate (ANSI), International Standard Organization (ISO 9001:2015, 14001:2015, 27001:2022, etc.), and Air Accident Investigation Board (AAIB).

# QMET UNIT



- Full implementation of Meteorological Watch Office (MWO) in OTHH.
- Installation & full operation of LIDAR for wind shear detection in OTHH.
- Development & Full Operation of Operational Webpage for Aeronautical Meteorological Services.
- Meteorological Information Exchange Model IWXXM is planned to be implemented in June 2025.
- Lightning Information is planned to be implemented at the end of 2025.

# QATAR PROJECTS AND ACHIEVEMENTS 2024

First revision of the Qatar National Air Navigation Plan involves the listed projects. For each major projects 6 steps method will be followed and related indicators will be detailed with a resource management in order to enhance the National Plan.

# QATAR PROJECTS AND ACHIEVEMENTS 2024



## THANK YOU