BB | BLACKBiRD
FOR TRAINING

Root Cause Analysis in Aviation System

London (UK)

7 - 11 October 2024

UK Traininig
PARTNER

Root Cause Analysis in Aviation System

Introduction

Welcome to the Root Cause Analysis in Aviation Systems course! In this intensive program, we will delve into the essential aspects of conducting root cause analysis in the aviation industry. Root cause analysis is a critical practice that helps identify the underlying causes of incidents, accidents, and system failures, enabling organizations to implement effective corrective and preventive measures.

Objectives

- Understand the importance of root cause analysis: Gain a deep understanding of the significance of root cause analysis in aviation systems, its role in preventing accidents and incidents, and its impact on safety management.

- Learn fundamental concepts and methodologies: Familiarize yourself with the key concepts, terminology, and methodologies related to root cause analysis, including various techniques and tools used in the process.

- Explore root cause analysis frameworks: Explore different root cause analysis frameworks and approaches commonly employed in the aviation industry, such as the "5 Whys," fault tree analysis, and fishbone diagrams.

- Master data collection and analysis: Acquire the skills and techniques necessary to effectively collect and analyze data during the root cause analysis process, including data validation, data sources, and statistical analysis.

- Develop problem-solving and critical thinking skills: Enhance your problem-solving and critical thinking abilities to identify root causes accurately, evaluate contributing factors, and develop comprehensive solutions.

- Implement effective corrective actions: Learn how to develop and implement effective corrective and preventive actions based on the identified root causes, considering practicality, feasibility, and risk management.

- Enhance safety culture and organizational learning: Understand the role of root cause analysis in promoting a robust safety culture within aviation organizations, fostering continuous improvement, and facilitating organizational learning from incidents.

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Course Outline

Day 1

- Introduction to root cause analysis in aviation systems
- Importance and benefits of conducting root cause analysis
- Overview of the root cause analysis process

Day 2

- Key concepts and terminology in root cause analysis
- Common methodologies and techniques used in root cause analysis
- Data collection methods and tools

Day 3

- Root cause analysis frameworks and approaches
- The "5 Whys" technique
- Fault tree analysis

Day 4

- Fishbone diagrams and cause-and-effect analysis
- Data analysis techniques for root cause identification
- Case studies and best practices in root cause analysis

Day 5

- Developing and implementing corrective actions
- Risk management considerations in root cause analysis
- Safety culture enhancement through effective root cause analysis

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Cities

Europe

Copenhagen (Denmark)

Sarajevo (Bosnia and Herzegovina) Malaga (Spain)

Cascais (Portugal)
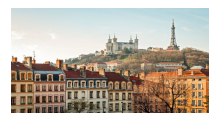
Glasgow (Scotland)

Edinburgh (UK)

Oslo (Norway)

Annecy (France)

Bordeax (France)

Birmingham (UK)

Lyon (France)

Moscow (Russia)

Stockholm (Sweden) (Netherlands)
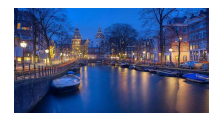
Podgorica (Montenegro)

Batumi (Georgia)

London (UK)

Istanbul (Turkey)

Amsterdam

Düsseldorf (Germany)

Paris (France)

Barcelona (Spain)
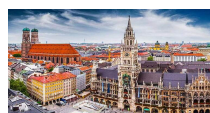
Munich (Germany)

Geneva (Switzerland)

Prague (Czech)
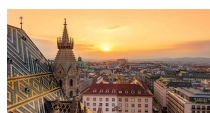
Vienna (Austria)
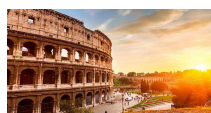
Rome (Italy)

Brussels (Belgium)

Madrid (Spain)

Berlin (Germany)
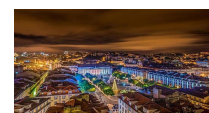
Lisbon (Portugal)

Zurich (Switzerland)

Manchester (UK)

Milan (Italy)

USA & Canada

Los Angeles (USA)
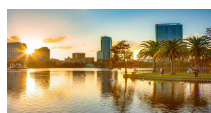
Orlando (USA)

Online

Phoenix (USA)

Texas (USA)
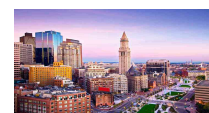
Boston (USA)

Washington (USA)

Miami(USA)

New York (USA)

Seattle (USA)

Toronto (Canada)

UK Traininig
PARTNER

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Cities

Asia

Baku (Azerbaijan)

Maldives (Maldives)

Manila (Philippines)

Bali (Indonesia)

Bangkok (Thailand)

Beijing (China)

Singapore (Singapore) (Kuwait)

Sydney (Australia)

Tokyo (Japan)

Dubai (UAE)

Kuala Lumpur (Malaysia)

Kuwait City

Jakarta (Indonesia)

Amman (Jordan)

Africa

Kigali (Rwanda)

Cape Town (South Africa)

Accra (Ghana)

Lagos (Nigeria)

Marrakesh (Morocco)

Nairobi (Kenya)

Zanzibar (Tanzania)

Tangier (Morocco)

Cairo (Egypt)

Sharm El-Sheikh (Egypt)

Casablanca (Morocco)

Tunis (Tunisia)

UK Trainig
PARTNER

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Clients

MANNAI CORPORATION
MANNAI Trading Company WLL, **Qatar**

GAC UNE FILIALE D'EGA
Alumina Corporation **Guinea**

B. Booking.com
Booking.com **Netherlands**

OXFAM
Oxfam GB International Organization, **Yemen**

Capital Markets Authority
Capital Markets Authority, **Kuwait**

WS
Waltersmith Petroman Oil Limited **Nigeria**

QNB
Qatar National Bank (QNB), **Qatar**

مؤسسة قطر Qatar Foundation
Qatar Foundation, **Qatar**

AFRICAN UNION ADVISORY BOARD ON CORRUPTION, **Tanzania**

KFAS مؤسسة الكويت للتقدم العلمي Kuwait Foundation for the Advancement of Sciences
KFAS **Kuwait**

Reserve Bank of Malawi, **Malawi**

Central Bank of Nigeria **Nigeria**

Ministry of Interior Kingdom of Saudi Arabia
Ministry of Interior, **KSA**

Mabruk Oil Operations
Mabruk Oil Company **Libya**

الشركة السعودية للكهرباء Saudi Electricity Company
Saudi Electricity Company, **KSA**

BPKH Badan Pengelola Keuangan Haji
BADAN PENGELOLA KEUANGAN Haji, **Indonesia**

NATO **Italy**

eni
ENI CORPORATE UNIVERSITY, **Italy**

بنك الخليج GULF BANK
Gulf Bank **Kuwait**

المؤسسة العامة للتأمينات الاجتماعية General Organization for Social Insurance
General Organization for Social Insurance **KSA**

Defence Space Administraion **Nigeria**

مجموعة الصناعات الوطنية (القابضة)
National Industries Group (Holding), **Kuwait**

مؤسسة حمد الطبية Hamad Medical Corporation
Hamad Medical Corporation, **Qatar**

USAID UNITED STATES AGENCY INTERNATIONAL DEVELOPMENT
USAID **Pakistan**

STC الاتصالات السعودية
STC Solutions, **KSA**

N North Oil Company
North Oil company,

EKEDC EKO ELECTRICITY DISTRIBUTION COMPANY
EKO Electricity

oman BROADBAND العمانية للنطاق العريض
Oman Broadband

UNITED NATIONS
UN.

هيئة تنظيم الكهرباء - عمان AUTHORITY FOR ELECTRICITY REGULATION, OMAN
Authority for

UK Traininig **PARTNER**

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com

Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training

International House 185 Tower Bridge
Road London SE1 2UF United Kingdom

+44 7401 1773 35
+44 7480 775526

Sales@blackbird-training.com

www.blackbird-training.com

UK Traininig
PARTNER

Head Office: +44 7480 775 526
Email: Sales@blackbird-training.com
Website: www.blackbird-training.com