

AutoCAD Aviation Planning and Design Training Manual

AutoCAD Aviation Planning and Design Training Manual

Two-Dimensional Airfield Layout

Thierry D. Sarr



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*AutoCAD Aviation Planning and Design Training Manual:
Two-Dimensional Airfield Layout*

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Dedication

This first publication is dedicated to my family members who are my main source of inspiration and motivation.

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About the Author

The author, Thierry Sarr has over 15 years of experience in aviation, planning, design, management, and technical training. He is the founder IDTS Consulting LLC, Chief Executive Officer of Airport Planning Solutions LLC, and a Certified Member of the American Association of Airport Executives. Throughout his international career, Thierry has worked in both the public and private sectors as a consultant, owner representative, and public official. Thierry played key roles in delivering complex multi-billion-dollar major capital improvement programs in both in the United States and globally. Thierry graduated from the Florida Institute of Technology—College of Aeronautics and, was also selected as a member of *The 2021 Airport Business Top 40 Under 40 Aviation Professionals*. Thierry has also won multiple industry awards including the 2018 Airports Consultants Council—Young Professionals Innovation Competition First Place Award, and a 2016 Black Engineer of the Year Special Recognition Award. Furthermore, he is an inventor, and has a passion for technology and innovation.

About this Book

This self-paced training manual is part of a series of tutorials intended to be used by new and current AutoCAD users who desire to acquire airfield planning and design skills. The first volume will teach users how to draw an airfield layout in 2D to accommodate aircraft as long and wide as the Boeing 747-800 and the Airbus A 380 according to Federal Aviation Administration (FAA) standards. Drafting techniques introduced in this manual can be used to create any layout for any other critical aircraft of any size and characteristics. The content covered in this manual represents one set of techniques to create a specific layout. Readers may be aware of or discover alternative ways to achieve a similar result. The ultimate goal is to enable readers to perform all tasks as accurately and efficiently as possible and to always strive to enhance their skills. Users can use similar airfield planning methodologies to create layouts for other civil and military airfields as long as they have access to



Figure 1: Boeing 747-800 Image.

Source: Boeing Company.