

# Aviation Master Planning

*Airports across the county trust C&S to deliver successful planning projects time and time again. Specifically, C&S's master plans address an airport's critical value to its community while addressing effects on neighboring properties and the environment, focusing on key relationships within the transportation network.*

## Overview

We focus on a more integrative and holistic approach to planning that goes beyond what many firms are able to offer. By incorporating unique in-house expertise like sustainability, land use and economics, and terminal planning, we deliver more well-rounded, living, functional documents to guide an airport's future. C&S's aviation planning experts are part of a national aviation practice with over 120 staff dedicated to serving our aviation clients' environmental, planning, design, and construction needs.

C&S has decades of experience preparing master plans consistent with our belief that every plan should be tailored, versatile, and purposeful. Our planning team has extensive experience in visioning and big idea workshops, physical inventory and conditions, demand capacity and facility requirements analyses, innovative alternatives development and evaluation, and feasible plan formulation and implementation.



**C&S COMPANIES** Master Plans Completed **65+**

**22** Aviation Planning Staff

**50+** Years of Service

**120** Dedicated Aviation Staff

Airports Served Nationwide **220+**

## Project Examples



Goal is a flexible 20-year development plan and program that will maintain a safe, efficient, financially sound and sustainable airport facility.

- » Key issues involve:
  - » Addressing FAA issues and "hot spot" issues
  - » Identifying areas where cargo and corporate development is possible
  - » Understanding domestic and international operations growth and the potential impacts and opportunities for terminal development
  - » Evaluating redevelopment and improvement options of landside infrastructure through detailed traffic analysis
  - » Determining the highest and best use of airport property



C&S led/oversaw 19 plan components, including identifying the regional context for the airport; developing an inventory; waste audit/recycling plan; forecasting demand; establishing facility requirements; and conducting land use, environmental, financial planning tasks.

- » Key projects identified as part of the preferred concept:
  - » Cargo facility expansion/new construction
  - » Construct additional parallel taxiways for both runways
  - » Non-aviation land use development (hotel, travel plaza, retail)
  - » Internal roadway circulation improvements (landside)
  - » Terminal security checkpoint improvements
  - » New international arrivals facility
  - » Upgrade/construct additional aircraft storage facilities
  - » Long-term runway extensions (11-22 year timeframe)



C&S prepared master plans, established a long-term vision and roadmap for two City of San Diego owned facilities.

C&S structured the schedule to complete both master plans simultaneously in 18 months.

- » Helped organize five advisory committee and three public meetings for each study to maximize community input
- » Conducted a waste audit for both airports and developed tailored recycling, reuse, and waste reduction plans that align with FAA guidance
- » Helped the City stay on track through the process and address important issues in an environment of transparency
- » Helped refine the roles of each airport within the City's system and broader aviation network

## Aviation Planning Services

In addition to master planning, C&S provides full in-house aviation planning services.

- » On-call planning services
- » Terminal and facilities planning
- » Landside planning
- » Cargo planning
- » Obstruction analyses
- » Environmental review and assessments
- » Land use planning
- » Economic, site, feasibility, and benefit cost analyses
- » Sustainability and resilience consulting
- » Special studies
- » Envision, LEED, and Airport Carbon Accreditation administration
- » Public outreach and facilitation

## Core Team



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