

Aviation Sustainability

The C&S Aviation Sustainability practice is changing the way the world moves. We are the preeminent authority in aviation sustainability & resilience, helping airports draw strength from the environment and communities in which they operate. We are technical experts, trusted advisers, and industry leaders. We deliver meaningful results for the betterment of our clients. Our purpose is sustainability, elevated.

C&S is a national leader in aviation sustainability and resilience. Our work developing the country's first FAA-approved sustainable airport master plan helped inspire the FAA's sustainability planning pilot program. Since that time, C&S has worked with airports of all sizes across the country to integrate sustainability into airport planning, design & construction, and operations. We have successfully completed more than 250 separate airport planning, environmental, design and construction projects during the past five years and well over 2,500 during our 50 years serving airport clients. Our national aviation group features nearly 100 technical experts, with staff dedicated to environmental planning, sustainability, resilience, air quality, airfield and landside engineering, grants administration, and other specialized disciplines.

We employ a holistic approach to sustainability, factoring in economic and operational elements to ensure sustainability programs endure within the unique constraints of airports.



C&S Commercial Airport Sustainability & Resilience Experience



Project Examples

San Diego International Airport (SAN)

In 2019, having worked with SAN for over a decade, C&S was selected to lead the airport's on-call environmental and sustainability contract, providing a diverse ranges of services in support of their sustainability management program. C&S has also helped SAN secure VALE funding for gate electrification and pre-conditioned air. C&S leads administration of Envision Accreditation for SAN's airside improvements associated with the new Terminal 1.



Detroit Metro Wayne County Airport (DTW)

C&S led the sustainability and Envision administration efforts for the reconstruction of Runway 3L/21R and associated taxiways, which received the Envision Gold award for sustainable infrastructure.



Portland International Airport (PDX)

C&S conducted a renewable energy siting assessment, supported the evaluation and funding of pre-conditioned air and electric ground support equipment charging infrastructure, and developed a sustainable aviation fuel (SAF) infrastructure assessment.



Indianapolis Airport Authority (IAA)

As the IAA's on-call sustainability consultant, C&S developed an award-winning sustainability toolkit to support integration of value-added elements into design and construction. We also assisted the IAA with administering the Envision rating system on two projects.



Services

C&S provides full in-house aviation planning and engineering services. We view every airport project as part of a complete lifecycle, and we tailor our approach to help airports meet their needs efficiently. Our services include:

- ◆ Sustainability & resilience consulting
- ◆ Energy management & renewables development
- ◆ Funding strategies & grants administration
- ◆ Revenue creation & economic analysis
- ◆ Stormwater management & water reuse
- ◆ Air quality analysis
- ◆ Envision, LEED, & Airport Carbon Accreditation administration
- ◆ Airport planning
- ◆ Airfield engineering & design
- ◆ Fuel facility design & sustainable aviation fuel evaluation
- ◆ Sound attenuation
- ◆ Environmental & NEPA support

Leadership Team



Kailey Eldredge

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Senior Consultant



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