Sustainability for Airports and Aviation



evolveEA is a leader in advancing sustainability at every stage of the airport lifecycle—from terminal design to operations—through cutting-edge strategies that integrate green building, mobility, and systems thinking to deliver resilient, efficient, and forward-looking aviation infrastructure.

what we do

- · OPR creation for parking facilities
- · Sustainability goalsetting
- · Construction and design consulting
- Energy and water use tracking
- · Contractor onboarding and training
- Framework documentation
- · Public art integration
- · Construction waste & E&S tracking
- · Communications & impact reporting
- Whole building lifecycle analysis
- · Materials selection and tracking
- · Net zero planning

relevant projects



LEED CERTIFICATION MANAGEMENT:

PIT Terminal Modernization Program

PIT Multimodal Complex



PARKSMART CERTIFICATION MANAGEMENT:

PIT Multimodal Complex



SUSTAINABILITY ON-CALL:

Allegheny County Airport Authority



COMPREHENSIVE WASTE AUDIT:

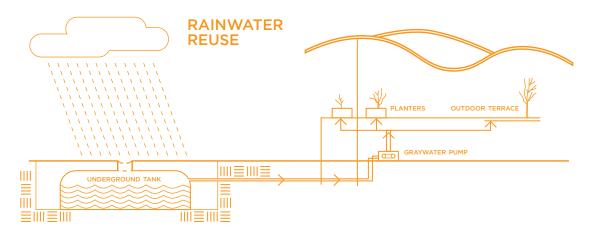
Phoenix Sky Harbor International Airport Latrobe Airport



Pittsburgh International Airport Terminal Modernization Program



The TMP streamlines the passenger experience and airport operations while supporting regional economic and sustainability goals. evolveEA is working with design teams for both the new Terminal and Ground Transportation Center, which includes parking, rental car facilities, and multimodal infrastructure. We helped set energy, water, and carbon goals, managed certifications, and advised on Pittsburgh 2030 District compliance through strategies like concrete and rainwater reuse.



- Rainwater from the pavement fills an underground tank, then settles.
- 2 After filtration, the water is pumped into the building and goes to the planters and terraces as needed.

CONCRETE REUSE



A tractor drags an impact roller that pounds the tarmac to break up concrete.



The impact crusher crushes the concrete stones into a fine powder.



Bulldozers come through and transport the tarmac boulders to a pile near the impact crusher.



A conveyor puts the pulverized concrete into large piles as it is sprayed with water to prevent air pollution.



A magnet extracts rebar and other metals from the debris to be diverted and recycled.

