

## CASE STUDY

# Streamlining Airside Markings



## Client

Client Name: AECOM

Date: November 2016

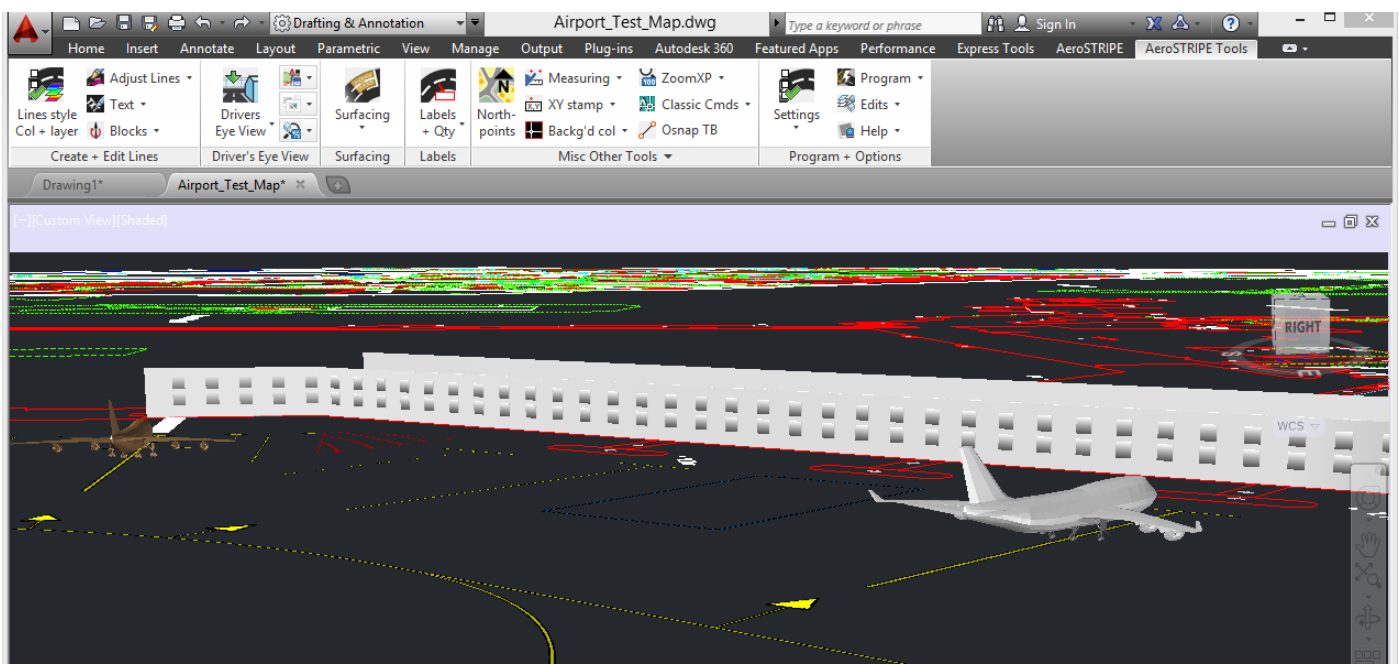
## Brief

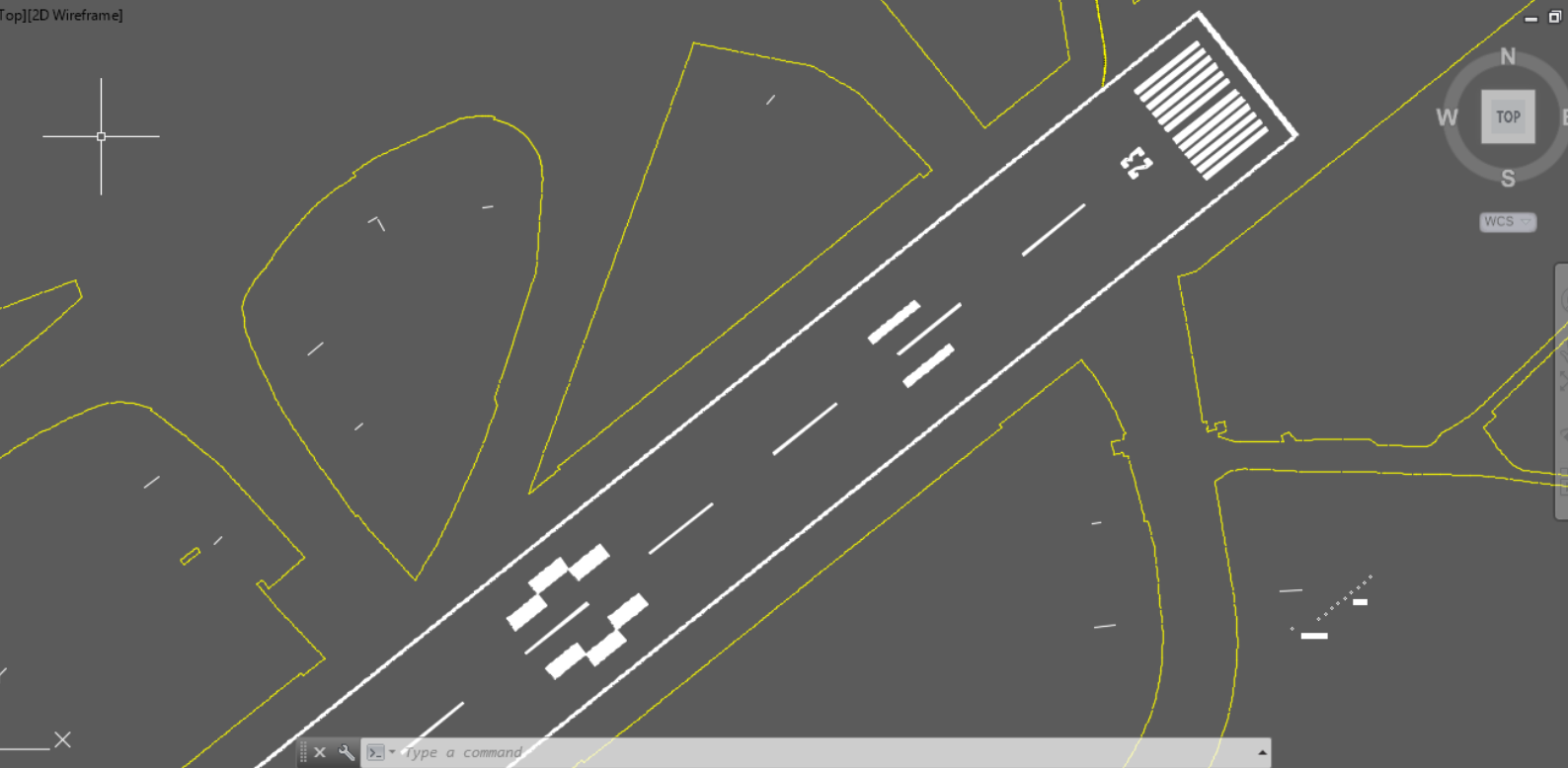
AECOM wanted to find a more efficient and effective way of creating accurate airside markings while maintaining compliance with regulations. Instead of traditional manually drawn markings, they opted to try airside marking design software.

## Background & Challenge

Like other airfield planners and designers, the team at AECOM use standard CAD programs to manually draw intricate airside markings. This can often be a time-consuming process. For example, to create a hold bar marking a technician has to draw each element of the marking individually, ensuring they are correctly sized and spaced. Using this method, it can take two or three minutes to draw each element with no guarantee that it is compliant. In order to ensure compliance

with the standards governing airside design, a considerable amount of time can also be spent referring back to CAP 168 and other relevant documents to check details such as correct size of letters, thickness of lines, and lengths of arrows. For several years AECOM's airfield designers and planners have been looking for a more efficient way of creating accurate, fully compliant airside markings but hadn't found one.





## Solution - AeroSTRIPE

On becoming aware of AeroSTRIPE, a dedicated airside marking design application, AECOM were keen to try it.

Following a trial of AeroSTRIPE, Andrew Elliot, Airport Technician at AECOM's Manchester office shares his thoughts.

"Using AeroSTRIPE's rule-based markings, set within the parameters of the standards we work to, we've found that we can achieve compliance much more quickly and effectively. As we work with airports in the UK as well as abroad, it's really handy that both CAA and ICAO requirements are covered by the software."

## Draw with Ease

"We've also been impressed by the ease at which we can now draw different kinds of markings, whereas previously we were using a very slow manual drawing process, with AeroSTRIPE all we need to do is select the start point, end point and type of marking. Over time I can see that this will certainly help us work much more efficiently."

## Quick Edits

"It's also much easier to edit markings - AeroSTRIPE retains objects as sets of markings meaning that linked elements are automatically redrawn each time the main marking is modified."

## Quantity Takeoff

"Another feature we've found particularly useful is the quantity take off. Once you've completed your line work you are able to export a table detailing the meterage and materials involved. This will help improve the accuracy of the estimates we currently provide to clients. Airports really appreciate these estimates as they assist with budgeting and help them to evaluate the value of the quotes they receive from their suppliers."

## Results

AECOM were able to see the potential of AeroSTRIPE to improve the way they work. Having already used the software for a number of projects including the design of five new stands and a taxiway for a major UK airport looking to increase capacity, AECOM were happy to report that the software does deliver on its promise. AECOM was satisfied that designing accurate and compliant airside markings has now become quicker and easier.