

The diagram illustrates the A3 Workflow, a structured problem-solving process. It is presented as a horizontal sequence of steps, each in a red circle, connected by a dashed line. The steps are: Fly, GPS, AI, SOM, ENTER MESSAGE, and Deliver. Above the main sequence, three grey circles represent inputs: 'GPS and processing' above GPS, 'GPS displayed' above AI, and 'Entered/CRM displayed' above ENTER MESSAGE. Below the main sequence, three yellow circles represent outputs: 'Export Results' and 'Export Data/CRM' both connected to SOM, and 'Export Operations' connected to ENTER MESSAGE. A legend at the bottom right identifies the colors: grey for INPUTS, red for A3 WORKFLOW, and yellow for OUTPUTS.

LightSpeed's DataViewer user interface has been enhanced to create a user experience especially suited for large-scale projects, such as those acquired by the A3 Edge Digital Mapping System. A new feature was implemented enabling users to easily merge multiple acquired sessions into a single project, streamlining management of the entire project.

A3 Lightspeed processing system is a photogrammetric workflow that automatically processes hundreds to thousands of km2 of A3 camera imagery per day for various mapping applications. The system is also designed to support rapid response applications since it is capable of providing accurate products within a short time line without relying on DGPS stations, ground control points or existing DEM. LightSpeed end-to-end workflow produces aerial triangulation, DSM, orthophoto, stereo models, photogrammetric oblique imagery.

*The image shows the A3 LightSpeed workflow (courtesy: VisionMap).*