

SAFE CITIES' FIND ISS : Image Standardisation Software

Software to batch process large volume databases of mugshot images and standardise them to FIND-compliance where possible. The software also works in real-time on individual images as part of an existing custody photography system.

The FIND ISS (image standardisation software) enables a Police Force to bring a legacy database of custody images up towards today's FIND standard – achieving consistency across images and allowing for more reliable witness albums, and AFR.

The advanced artificial intelligence software components performing image analysis and processing within ISS automatically find the photographic subject's face, and proceed to frame, rotate and crop the image to a more FIND-compliant format. The images and backgrounds are standardised where possible. The system flags up those images which cannot be standardised to a FIND-compliant format (e.g. insufficient resolution across the face or a sideways pose). *In batch mode, the software can process up to 5,000 images an hour.*

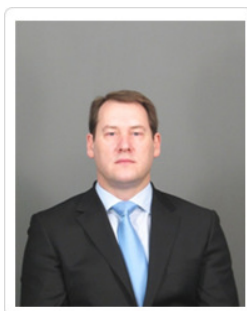
The standardisation software takes input images from custody photography facial images, CCTV frontal facial images, or any other kind of digital facial image. The FIND-standardised facial images are iFacts (Intelligent Face Alignment, colour Correction Technology).

Key Benefits :

- Automatic processing and standardisation of images to NPIA guidelines.
- Quality-assured facial images, which can be interchanged between forces, and are FIND-compliant.
- Standardisation of single images of uncertain quality towards the FIND standard.
- Batch standardisation of images at a rate of up to 5,000/hr.
- All automated functions can also be carried out manually if required.
- Images are flagged if they are outwith FIND guidelines.
- The system is supported by Safe Cities or one of our Blue-Chip partners.



Safe Cities are Working with Merseyside Police, Using FIND ISS To Standardise Merseyside's Custody Image Database.



Example Input Image to FIND ISS - Kindly Supplied by Sgt Grahame Bell



Equivalent Output Image, Standardised by FIND ISS - Kindly Supplied by Sgt Grahame Bell

"Without any standardised system of taking and cataloguing suspect's photos, identification can be a major headache. New [Safe Cities'] technology...is set to change all that."
- Gary Mason, journalist, *Jane's Police Product Review*. Issue 13, April/May 2006



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