THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1) A system for imaging an individual performing a skydiving activity, the system including:
   a) a number of imaging devices configured to:

      acquire a registration image of the individual without safety equipment, the registration image being associated with an identity of the individual; and

      capture images of a flying region including the individual performing the skydiving activity and wearing safety equipment, the cameras being controllable to capture images of different parts of the flying region;
   b) one or more processing devices in communication with the number of imaging devices, the one or more processing devices being configured to:
      i) receive image data from the imaging devices, the image data being indicative of one or more images captured by the imaging devices;
      ii) derive a registration feature vector for the registration image in the image data; and,
      iii) analyse the one or more captured images of the flying region, in the image data, to track the individual within the flying region, by deriving an activity feature vector for each captured image of the flying region and comparing the respective activity feature vector to the registration feature vector to determine the identity of the individual.
2) A system according to claim 1 wherein the one or more processing devices are configured to analyse the image data using a tracking computational model, the tracking computational model being trained using multiple sample images of one or more reference individuals performing skydiving activities.
3) A system according to claim 1 or claim 2, wherein the one or more processing devices are configured to analyse images captured by imaging devices having different fields of view of the imaging region.
4) A system according to any one of the claims 1 to 3, wherein the one or more processing devices are configured to analyse the image data by detecting one or more image regions having a defined colour.
5) A system according to claim 4, wherein the defined colour corresponds to the colour of at least one of a helmet worn by the individual and a flight suit worn by the individual.
6) A system according to claim 4 or 5, wherein the one or more processing devices are configured to determine the defined colour in accordance with the identity of the individual.

7) A system according to any one of the claims 1 to 6, wherein the one or more processing devices are configured to associate the captured images of the flying region with the identity of the individual,
8) A system according to any one of the claims 1 to 7, wherein the one or more processing devices are configured to control the imaging devices to capture images of the individual as they move within the flying region.
9) A system according to claim 8, wherein the imaging devices are PZT cameras.
10) A system according to any one of the claims 1 to 9, wherein the one or more processing devices are configured to analyse the image data to at least one of: detect a pose of the individual, subtract background image regions from the one or more images, and generate images of the individual with a substituted background.
11) A system according to any one of the claims 1 to 10, wherein the one or more processing devices are configured to use an identity of the individual to at least one of: cause a payment to be requested at least partially in accordance with the user participation; and associate at least one image of the user with user data, thereby allowing the image to be provided to the respective user.
12) A system according to any one of claims 1 to 11, wherein the one or more processing devices are configured to retrieve the plurality of feature vectors based on a time of image acquisition.
13) A system according to any one of claims 1 to 12, wherein the one or more processing devices are configured to determine feature vectors in accordance with landmarks identified within the images.
14) A system according to any one of the claims 1 to 13, wherein the one or more processing devices are configured to determine the identity of the individual at least in part using an identification computational model, the identification computational model being trained using multiple reference images of one or more reference individuals, the multiple reference images including, for each reference individual: at least one reference image of the reference individual without performing skydiving activities wearing safety equipment; and, at least one reference image of the reference individual without the individual wearing safety equipment.
15) A system according to any one of claims 1 to 14, wherein the one or more processing devices are configured to:

1. analyse image data to detect a face of the user wearing googles and a helmet;
2. extract key landmark features from the face of the user using the landmark model;
3. convert the extracted landmark features into a feature vector; and,
4. compare feature vectors captured during flying and registration to identify the individual.

16) A method for imaging an individual performing a skydiving activity, the method including:

a) providing a number of imaging devices configured to capture images of a flying region, the cameras being controllable to capture images of different parts of the flying region;

b) in one or more processing devices in communication with the number of imaging devices:

i) receiving a registration image of the individual without safety equipment, the registration image being associated with the identity of the individual; and

ii) deriving a registration feature vector for the registration image; and,

iii) receiving image data from the imaging devices, the image data being indicative of one or more images of the individual performing the skydiving activity and wearing safety equipment, captured by the imaging devices; and,

iv) analysing the one or more images in the image data to track the individual within the flying region by deriving an activity feature vector for each captured image of the flying region and comparing the respective activity feature vector to the registration feature vector to determine the identity of the individual.