Adapting to Existing Vision Projects

You can easily make use of this new service with existing TcVision Projects. There are 4 main components that need to be addressed.

1. Add the SPT Vision Library to the References section of the PLC Project (v3.0.4 or later)
2. Instantiate a new FB_ImageToVideo and TriggerEvent BOOL

```
    // ImageToVideo Instance
    Playback : FB_ImageToVideo := (CameraName            := 'Camera1',
                                   JsonAttribute := '{CreateVid : 1,
CameraName: "Camera1"}',
                                   FramesPerSecond := 10,
                                   TimeBeforeEvent := T#7S,
                                   TimeAfterEvent := T#3S,
                                   VideoOutputDirectory : 'C:\TcAlarmVideos',
                                   ReductionFactor := 0.25);

    // Event Trigger Boolean
    TriggerEvent : BOOL;
```

3. Add the CyclicLogic call to the main body of your POU. This **MUST** be called cyclically to work.

```
Playback.CyclicLogic();
```

4. Add the trigger logic somewhere in your program. The TriggerAlarmForVideoCapture method only needs to be called once to start processing.

```
IF TriggerEvent THEN
    TriggerEvent := FALSE;
    Playback.TriggerAlarmForVideoCapture();
END_IF
```

5. Add the AddImage method to your image aquisition loop of your program. This will add an image to the buffer of the Playback block.

```
    Playback.AddImage(ipImageIn := ImageIn);
```