 Applying advanced signal control and roundabout techniques to an existing network with PTV Vissim

**SHORT DESCRIPTION**
In our one day course, you will learn how to apply more complexity to your signal control including: Signal Coordination, time-of-day signal patterns, Volume-Density adaptation with gap reduction and arrival-dependent minimum green timing, and advance pedestrian signal timing. You will also explore techniques for creating, evaluating and calibrating roundabouts.

**TARGET GROUP**
Experienced PTV Vissim users from all disciplines.

**PREREQUISITES**
Vissim Introduction or equivalent experience generating microsimulation network models. Basic knowledge or experience working with Ring-Barrier Controllers and NEMA phasing.

**CONTENTS**

- Basic RBC Features
  - Basic signal phasing
  - Pre-timed and Actuated Control
  - Basic coordination and Time-of-Day patterns

- Advanced RBC Features
  - Permissive Modes
  - Offset references
  - Gap Reduction
  - Variable Minimum green timing
  - Exclusive Pedestrian Phases
  - Upstream and Stop-Bar detection
  - Queue detection

- Roundabouts
  - Creating and editing the required physical network
  - Configuring yielding movements
  - Creating multi-lane roundabouts
  - Evaluating a roundabout
  - Calibrating gap acceptance
  - Calibrating driving behaviors

**PRICE**
See specific event page and training policy for details.

**DURATION**
1 day

**PDH CREDITS**
7 hours