The EUROCONTROL Airport Tower Simulator is an advanced prototyping and validation platform incorporating and integrating a variety of new functionalities and information to validate future systems and concepts. It can be used stand-alone, connected to approach and cockpit simulator or run live. Industry prototypes may also be plugged into ITWP.

EUROCONTROL Integrated Tower Working Position (ITWP) is a controller working environment which integrates:

- Runway Control;
- Ground Movement Control;
- Clearance Delivery

**Pseudo-pilot positions** manage aircraft and vehicle movements.

Integrated functions consist of:

- A-SMGCS Airport Safety Nets for Controllers;
- A-SMGCS Routing function;
- A-SMGCS Guidance function;
- Airfield Lighting: Follow the greens;
- RECAT and Time Based Separation
- GBAS enabled concepts Adaptive Threshold and Glide Slope

**Generic airport environments** covering major and regional European airports are available – and new environments can be easily configured.

ITWP has an advanced HMI demonstrated through one large touch screen per controller working environment. In simulation mode it is supported by an “out of the window view”.

**Industrial prototypes** of the Airport Safety Nets, Routing and Guidance functions have been integrated and assessed.

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