

smartLICOS/TEC

smartLICOS/TEC enhances smartTools with control capabilities. smartLICOS supports switching of airfield lights, stop bars and addition equipment around the airfield. smartTEC (Tower Environment Control) is focusing on control task within the TWR Cabin (Lights, Shades, door opener). For selected scenarios automation functions reduce controller workload and increases safety. (e.g. automatic light switching on runway change)



Integrated Solution

Light Control functions can be combined with MET and NAV Aids Status Display (no additional control panel required)

Usability

Visualisation of Light Status at graphical presentation of airfield
Direct switching of individual or all light segment by one click

Automation

Automatic light switching on runway change,
switching of several light segments by single click

Configurable HMI

Adaptable number of light segments and brightness levels

Open for integration

Interface existing systems via PLC (contact based interface)
or standard protocols (MOD Bus)

Reliability

Special safety logic and handling of status feedback and fallback logic

FREQUENTIS AG HEADQUARTERS

Innovationsstraße 1, 1100 Vienna, Austria
Tel: +43/1/811 50-0, Fax: +43/1/811 50-5009
www.frequentis.com

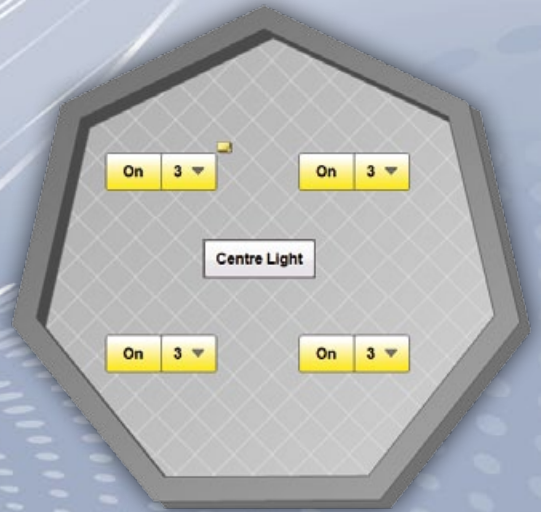


Airfield Lights

Tower Cabin Lights

TWY	06	APP06	PLAS106	CL	RWY	PLAS124	APP24	24	ALL
LI	100%	100%		100%	100%	100%	100%	LI	100%
FB	30%	30%		30%	30%	30%	30%	FB	30%
	10%	10%		10%	10%	10%	10%		10%
	1%	1%		1%	1%	1%	1%		1%
	0.3%			0.3%	0.3%		0.3%		0.3%
	Off	Off		Off	Off	Off	Off		Off

RWY 12L/30R					RWY 12R/30L					TWY1	TWY2
CENT	THRE	APPR	PAPI	ALL	CENT	THRE	APPR	PAPI	ALL	100%	100%
100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	30%	30%
30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	10%	10%
10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	3%	3%
3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	Off	Off
Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off	Off



FEATURE LIST

- Display and Control
 - Airfield Lights (centre line, edge light, approach light, PAPI, taxiways)
 - Stop Bars and Barriers
 - Additional control element (Generators, ILS Switchover ...)
 - Tower cabin lights, shades, curtains, door opener
- Switching Elements
 - Individual Segments
 - All lights or groups of light segments
 - based on external trigger events (runway direction change)
- Special control logic for
 - delayed switching
 - sequencing of brightness level changing
 - fallback states
- External Interfaces
 - Contact based interface (PLC)
 - Standard Protocols (MOD Bus)
 - VHF based light control system

Technical specifications and requirements are correct at the time of going to press, but may change without prior notice as our products and services are continually updated. Frequentis has endeavoured to ensure that the information in this document is, to the best of its knowledge, correct, but does not accept any liability whatsoever for any error or omission.

FREQUENTIS AG HEADQUARTERS

Innovationsstraße 1, 1100 Vienna, Austria
 Tel: +43/1/811 50-0, Fax: +43/1/811 50-5009
 www.frequentis.com

