

**→Application**

- complete mobile system to ensure VFR night operation on RWY up to 1200 m
  - designed primarily for volatile installations at airports with unpaved runways
  - the whole set is placed on two trailers weighing up to 3.5 t
  - the system as a whole is fully energy self-sufficient
  - the lights may be halogen or LED
  - supplied by serial airport distribution
- tested technical solution developed in cooperation with VUT in Brno and supported by TA CR within the project TH03010211

**→System components**

- trailer 1:
  - a mobile (portable) illuminated airport wind direction indicator capable of fully autonomous operation
- trailer 2:
  - mobile (portable) lights with integrated isolating transformer, threshold/runway end lights (green/red) runway edge lights (white, white/yellow)
  - APAPI, airport beacon
  - complete system of primary airport cables
  - generator
  - constant current regulator
  - mobile (portable) reflective markers for marking taxiways and for marking obstacles based on them
  - radio remote control
  - other accessories



LED

HALOGEN

chapter:

## 8.3 SYSTEM MoLiS



- the possibility of a simple, quick and clear design of a light security device (for VFR night operation) of your airport in special software:

MoLiS

Nový Načíst Uložit Imp Exp Tisk

Bod	Název	Y	X
1	THR1	466361,76	1129489,27
2	THR2	466362,14	1129486,30
3	THR3	466362,52	1129483,32
4	THR4	466368,57	1129435,70
5	THR5	466368,95	1129432,72
6	THR6	466369,33	1129429,74
7	RWY(W)1	466298,10	1129481,18
8	RWY(W)2	466305,67	1129421,65
9	RWY(W)3	466234,44	1129473,09
10	RWY(W)4	466242,01	1129413,56
11	RWY(W)5	466170,78	1129465,00
12	RWY(W)6	466178,95	1129405,47
13	RWY(W)7	466107,12	1129456,91
14	RWY(W)8	466114,69	1129397,38
15	RWY(W)9	466043,46	1129448,82
16	RWY(W)10	466051,03	1129389,29
17	RWY(W)11	465979,80	1129440,73
18	RWY(W)12	465987,37	1129381,20
19	RWY(W)13	465916,14	1129432,64
20	RWY(W)14	465923,71	1129373,11
21	RWY(W)15	465852,48	1129424,55
22	RWY(W)16	465860,05	1129365,02
23	RWY(W)17	465788,82	1129416,46
24	RWY(W)18	465796,39	1129356,93
25	RWY(W)19	465725,16	1129408,37
26	RWY(W)20	465732,73	1129348,84
27	RWY(W)21	465661,50	1129400,28
28	RWY(W)22	465669,07	1129340,75
29	END1	465597,87	1129392,14
30	END2	465598,25	1129389,16
31	END3	465598,63	1129386,18
32	END4	465604,68	1129338,56
33	END5	465605,06	1129335,58
34	END6	465605,44	1129332,60
35	APAPI1	466294,87	1129410,20
36	APAPI2	466295,63	1129404,25
37	REF1	466394,07	1129422,81
38	REF2	466394,83	1129416,86

Směr: Severovýchod Rozstup RWY: 64,17 Vzdálenost APAPI od THR: 76,32 Bod dotyku dle APAPI: 57,24

Bod 1 \* Y: 466361,38 X: 1129492,25 Šířka dráhy \* 60 [m] Max: 60 Výška PAPI nad terénem 0,5 [m]  
 Bod 2 \* Y: 465597,94 X: 1129395,17 Délka dráhy \* 770 [m] Max: 1200 Výška kola nad THR 3 [m]  
 Úhel 7,2 [°] Posun THR Vlevo 3 [m] Výška oka od kola 1,5 [m]  
 Typ vytyčení \* Vpravo Posun RWY Vpravo 0 [m]