

ALGE-TIMING offers the complete technical equipment for the infrastructure of ski jumping events.

It ranges from speed measurement, start display boards, wind speed indicators, judge terminals, video distance systems to connection boxes for the complete installation. On the following pages we give an overview of the devices ALGE-TIMING offers for ski jumping.

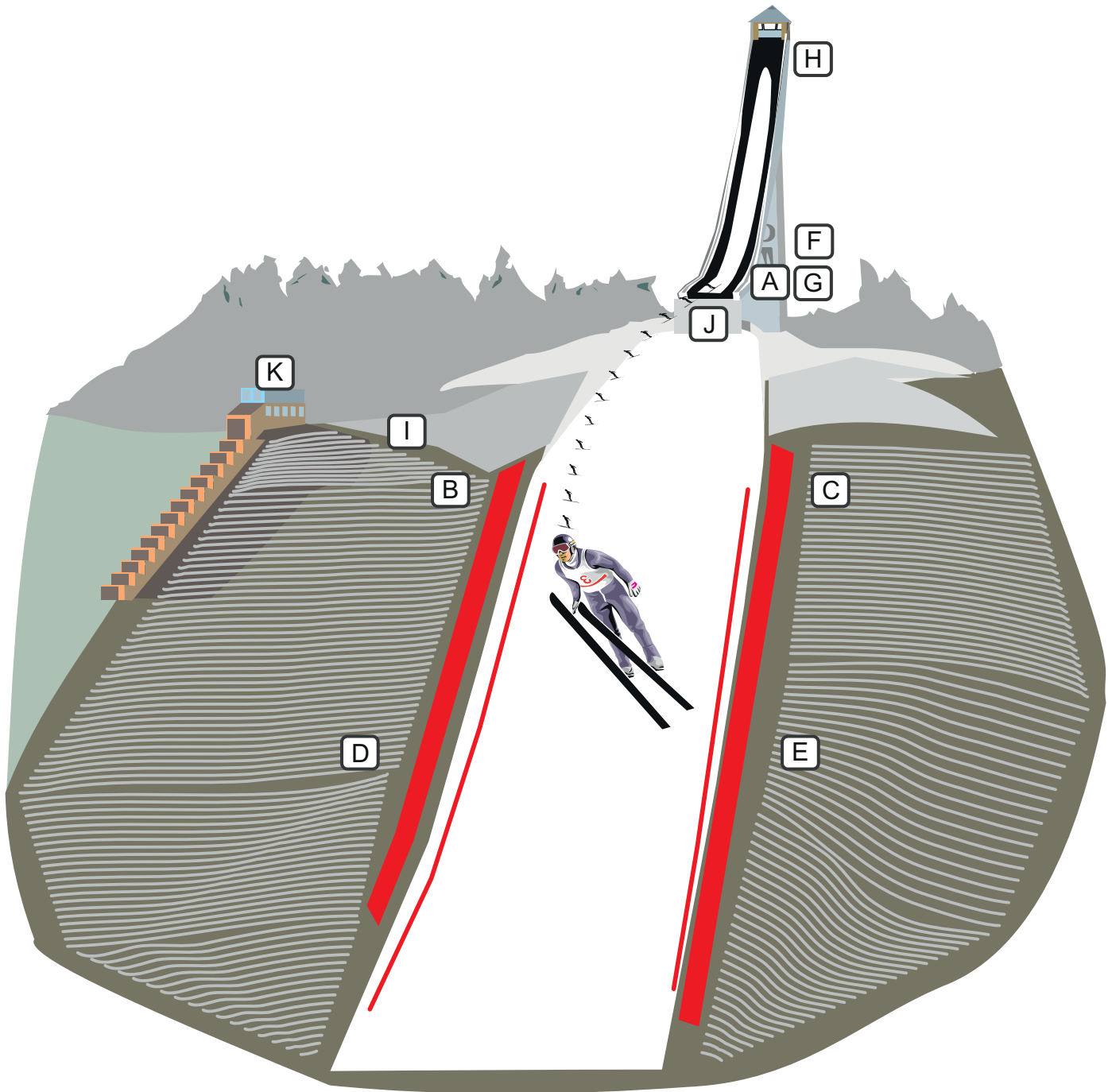


Start Display Board D-SDA1-S

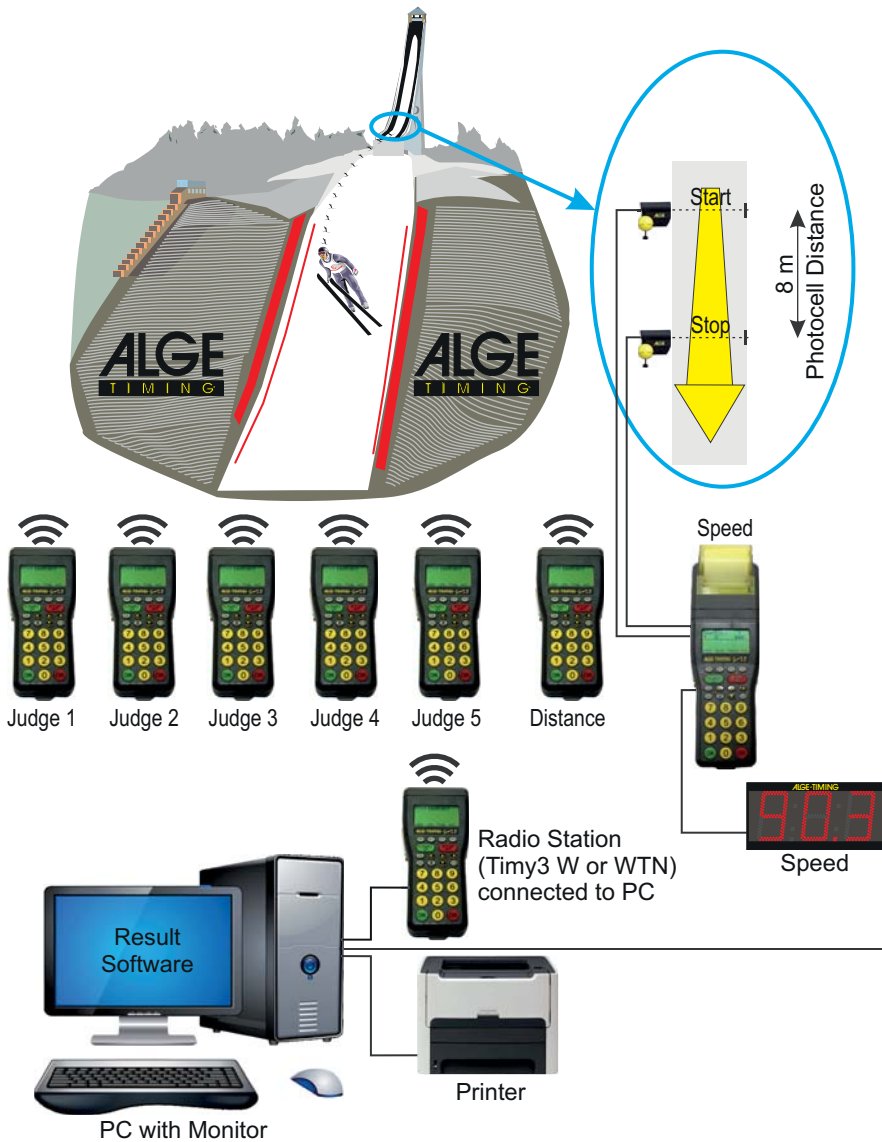
The LED display board D-SDA1 consists of a red, yellow and green phase. Each phase has a two-digit figure (height 9 cm) for the countdown and a set of lights.

The system consists of a Timy3 W controller (operated by the race manager) and a display board. For most of the ski jumping hills two display boards are used (one at the top of the inrun and one at the trainers). With the controller you can individually adjust the length of the phases. During operation the set of lights works according to FIS specifications. The user can stop a started countdown at any time.





- | | | |
|------------------|----------------|--|
| A..... SJB-Wind | take off area | distribution box for anemometer |
| B..... SJB-Wind | landing area | distribution box for anemometer 1 – left side |
| C..... SJB-Wind | landing area | distribution box for anemometer 1 – right side |
| D..... SJB-Wind | landing area | distribution box for anemometer 2 - left side |
| E..... SJB-Wind | landing area | distribution box for anemometer 2 - right side |
| F..... SJB-Speed | take off area | distribution box for speed trap - photocell 1 |
| G..... SJB-Speed | take off area | distribution box for speed trap - photocell 2 |
| H..... SJB-SD | starting area | distribution box for start display board |
| I..... SJB-TD | trainer sector | distribution box for coach scoreboard |
| J..... SJD-Jump | take off area | jumping hill distribution box |
| K..... SJD-Cent | judges tower | central distribution box |



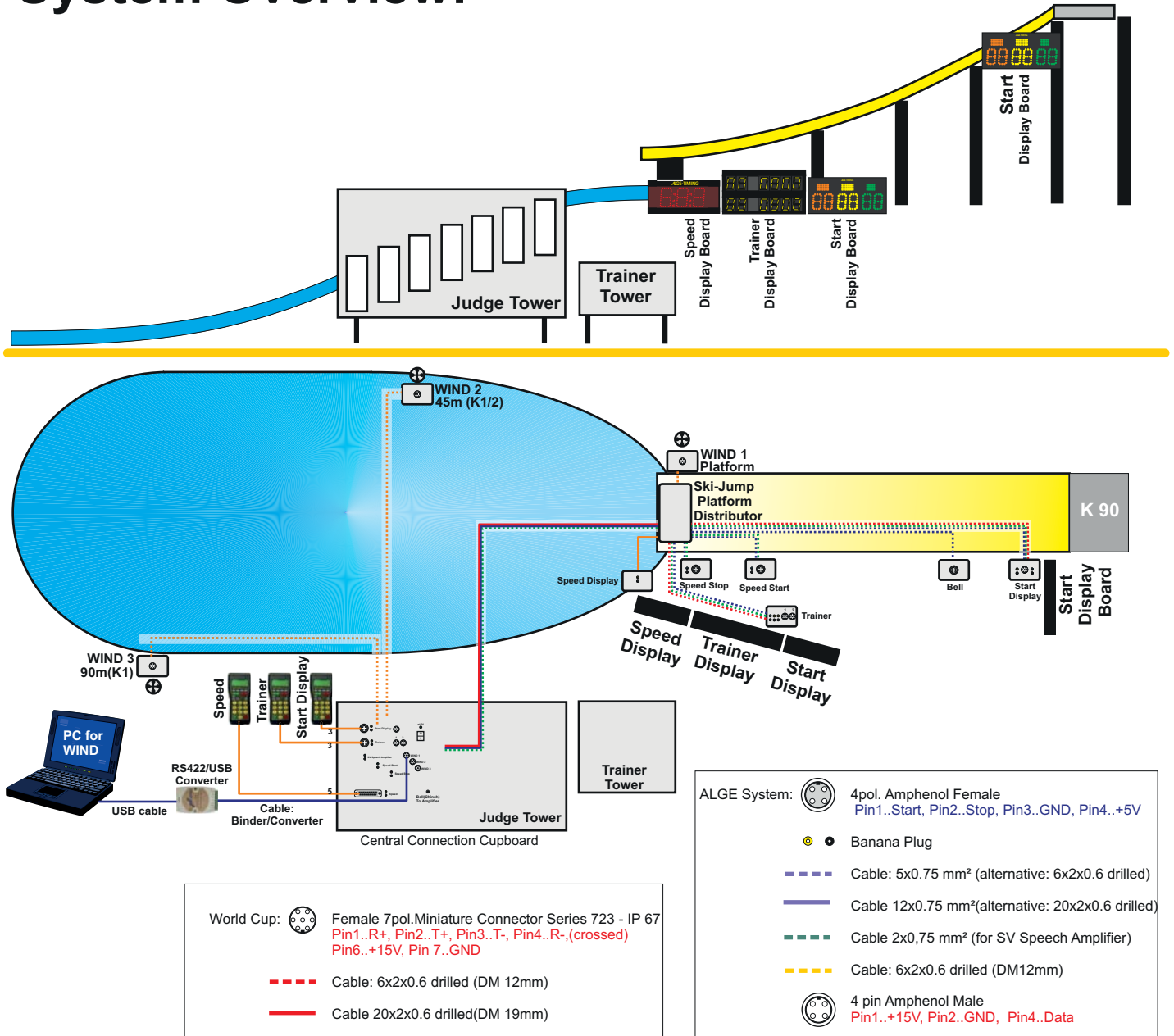
Start Number	Rank
103	17
Distance	
125.0	
Total Points	
128.5	
Judge 1	19.0
Judge 2	18.5
Judge 3	19.8
Judge 4	18.0
Judge 5	18.5
SPEED	
90.3	

Each judge has a Timy3 W terminal for input of points. The terminals are connected by a Wireless Timing Network (cable free radio network) to each other and the PC. On the PC runs a ski jumping results software. The display boards are controlled from the PC.

The speed measurement also is effected by a Timy3. It can control the display board directly so that the speed can also be displayed for training.

The distance can be input manually through a terminal Timy3 or directly at the PC. When using a video distance measuring system, the distance is required online from this system (FIS homologated video distance measuring systems on demand).

System Overview:



Anemometer (Wind Speed Indicator):

Three-dimensional anemometer with PC software that indicates the wind direction. For a ski jumping hill, three to five points exist where a wind speed indicator can be installed. For events, one to three wind speed indicators are used depending on the size of the ski jumping hill and the event level. The PC that displays the anemometer(s) is situated with the chief of race.

