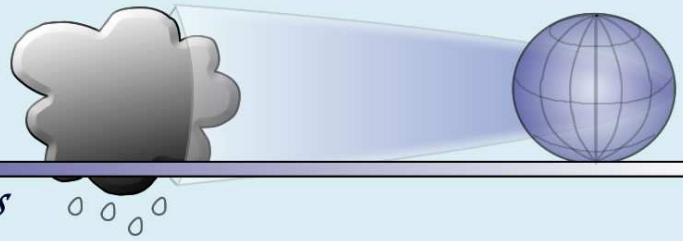


# I.C.E

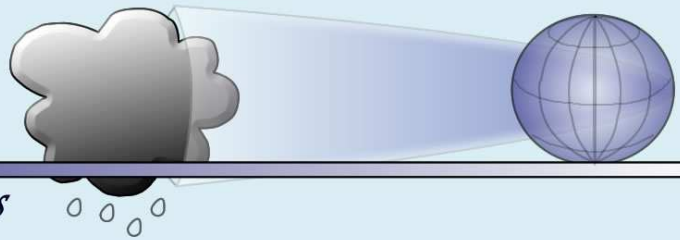
*weather technologies*



## SKYDETECT WEATHER RADAR

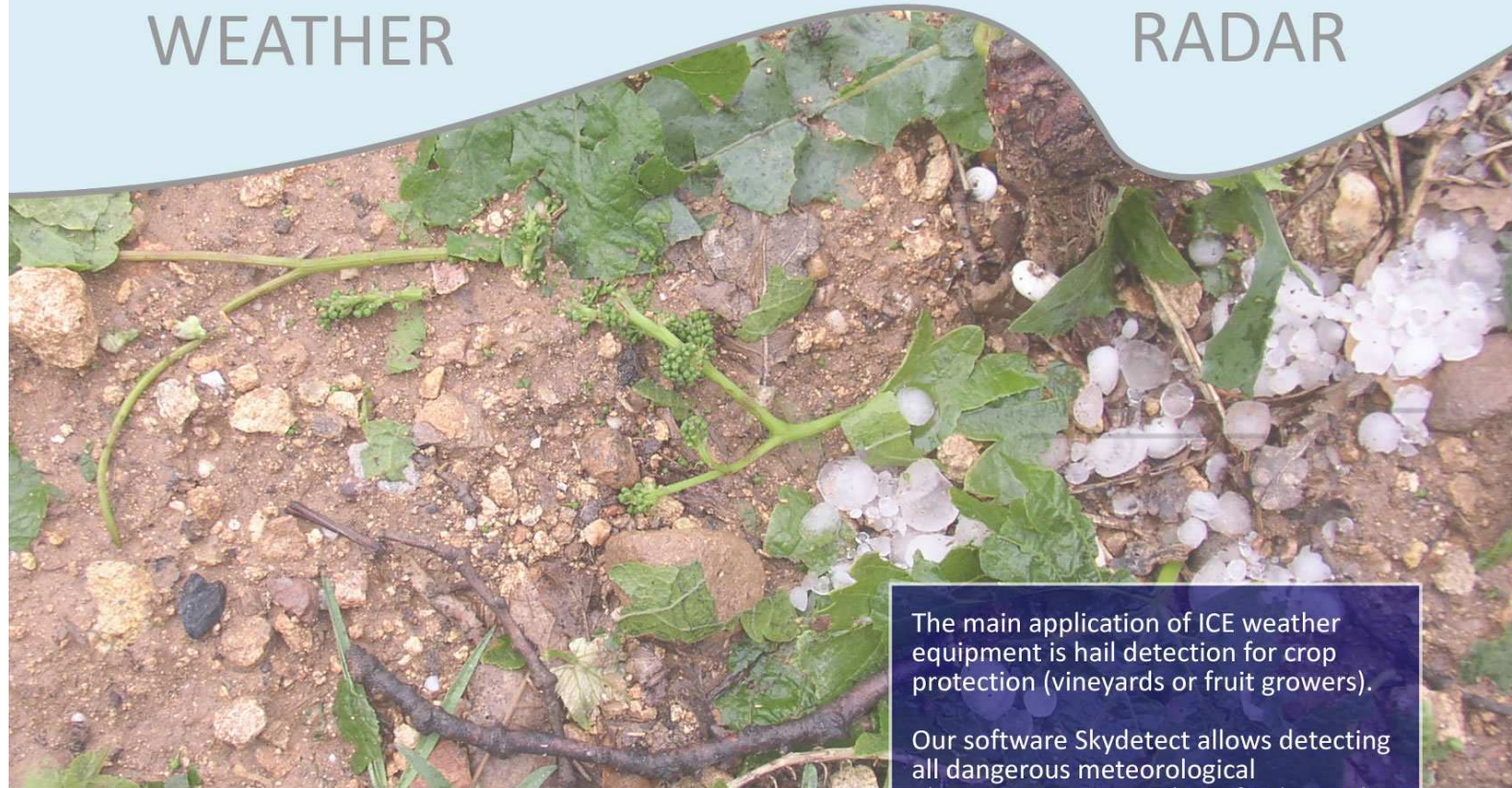
# I.C.E

*weather technologies*



## WEATHER

## RADAR



The main application of ICE weather equipment is hail detection for crop protection (vineyards or fruit growers).

Our software Skydetect allows detecting all dangerous meteorological phenomenons in a radius of 30km and sends warnings via Short Message Service in case of hail risk.

### X-band weather radar

*Weather radars send directional pulses followed by a waiting time to "listen" to return signals to determine if echoes are coming back from precipitations.*

*With a X-band weather radar you have a **local weather picture** and you are capable to start your anti-hail devices only when there is a high POH (Probability Of Hail).*

### Skydetect software

*SkyDetect is **meteorological analysis software** which calculates permanently echoes levels and echoes shapes through an images flow from radar antenna. It allows you to keep watch over **8 different areas** situated wherever you want on radar screen.*

*Activating thresholds are adjustable for each area independently. Many others parameters can be set in order to have a sensibility **in accordance with your geographical environment and requirements.***

### Other applications

#### **Meteorological applications :**

Aviation - Petroleum platform - Sciences Lab

#### **Hail protection :**

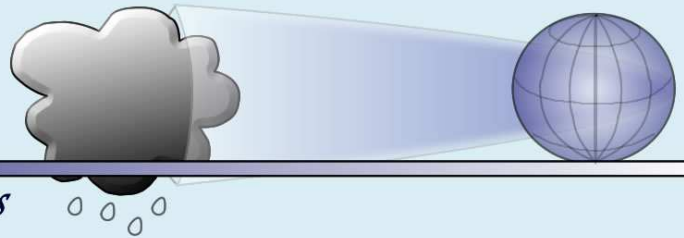
Solar panels fields - Greenhouses -  
Car factories

D i s t r i b u t o r



Equipment compliant with European rules.





## WEATHER RADAR Skydetect

## SKD4KW Model

### Technical characteristics

#### Antenna unit

|                |                         |
|----------------|-------------------------|
| Output         | 4kW                     |
| Frequency      | X-band radar (9,41 GHz) |
| Beamwidth      | Vert : 22° - Hor : 2°   |
| Type           | Open                    |
| Size           | 3,5 fts                 |
| Weight         | approx. 40 kg           |
| Rotation speed | 24 or 48 rpm            |
| Cable length   | 30m maximum             |

#### RF Transceiver unit

|              |             |
|--------------|-------------|
| Power supply | 12VDC       |
| Max current  | 7A (24 rpm) |
| Power        | 4kW         |
| Warming up   | 90s max     |
| Weight       | 10 kg       |

#### Weather detection cabinet

|                             |                 |
|-----------------------------|-----------------|
| Main computer power supply  | 12V             |
| Spare computer power supply | 12V (in option) |
| Number of alarm areas       | 8               |
| Controlled outputs          | 8 (NC or NO)    |

#### Display unit

|              |         |
|--------------|---------|
| Power supply | 12V     |
| Screen size  | 17" LCD |
| Input        | VGA     |

#### Environmental conditions

|             |  |
|-------------|--|
| Temperature | -25°C to 70°C (Antenna)<br>0°C to 40°C (Cabinet) |
| Max wind    | 130 km/h   |

### Installation and Service operations

#### Mounting time

Between 2 and 4 days

#### Maintenance

Each year - Wearing parts replacing compulsory

### Presentation

SKD4KW weather radar model was developed in order to detect meteorological phenomenons and evaluate a damage risk level in real time.

This equipment is easy to adjust trough our user-friendly software Skydetect and our team is available to assist you in finding the best settings thanks to our remote support.

Our weather radar is made for communicating with you in case of meteorological risk by Short Message Service (S.M.S) or any other solutions you chose.

### Remote services

Our technical team is there to help you adjust the settings on your radar, by mail, by phone or directly on your device via the Internet.

You also have a personal account on [Meteo-Radar.com](http://Meteo-Radar.com) that you can consult at any time and which lists the weather pictures of the last 3 days.

### Manufacturer

#### Sarl I.C.E

Head office : 5, rue Victor Maurel 13007 Marseille (France)

Office : 41, avenue de Saint-Jean 13002 Marseille (France)

Email : [infos@meteo-radar.com](mailto:infos@meteo-radar.com)

Web : [www.meteo-radar.com](http://www.meteo-radar.com)

