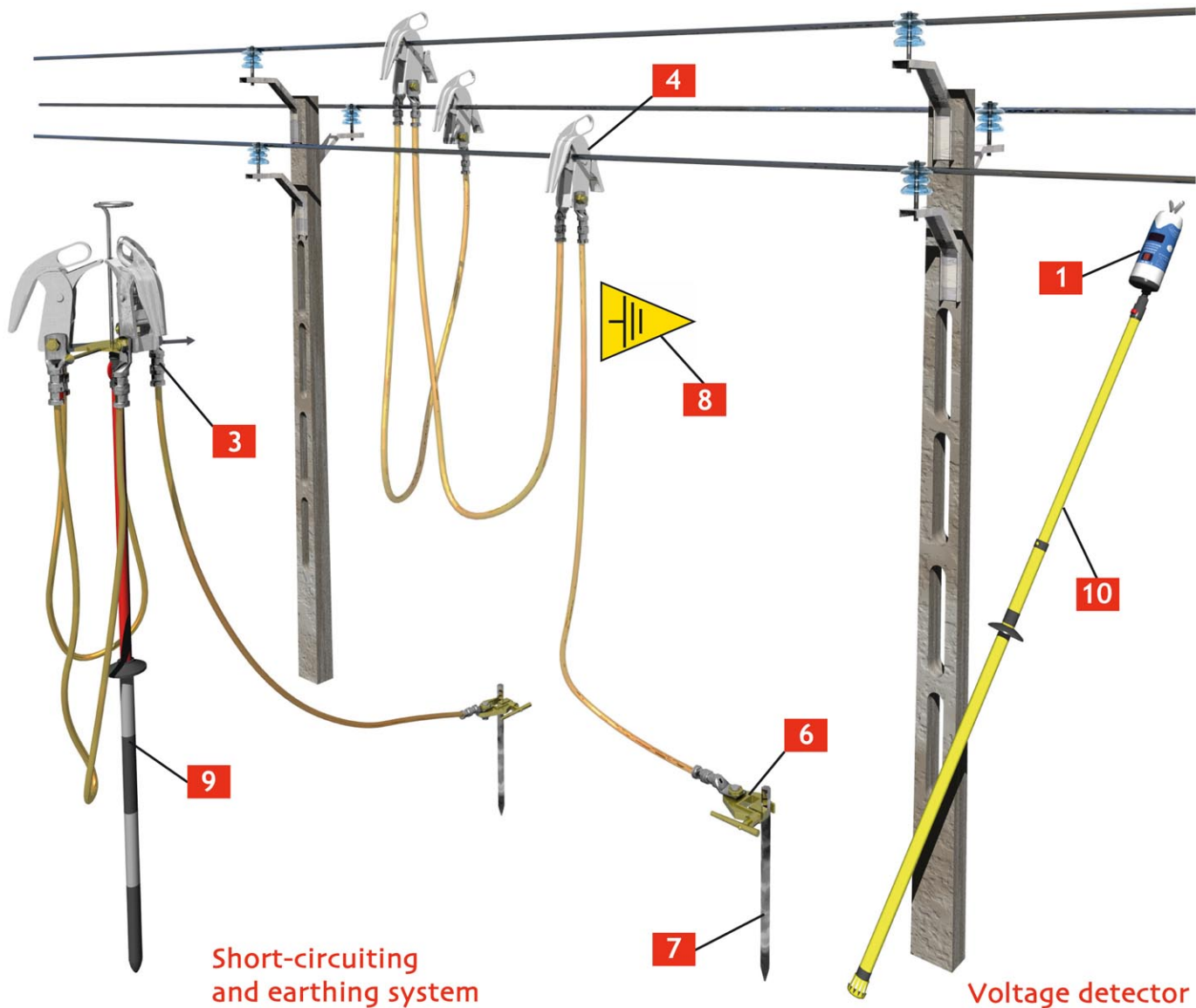


### Overhead line work from pole



### Voltage detectors and phase comparators

- |          |  |                          |
|----------|--|--------------------------|
| <b>1</b> | Electronic voltage detectors IEC or standard | References: CC-875 serie |
| <b>2</b> | Single pole phase comparator                 | Reference: CL-7 serie    |

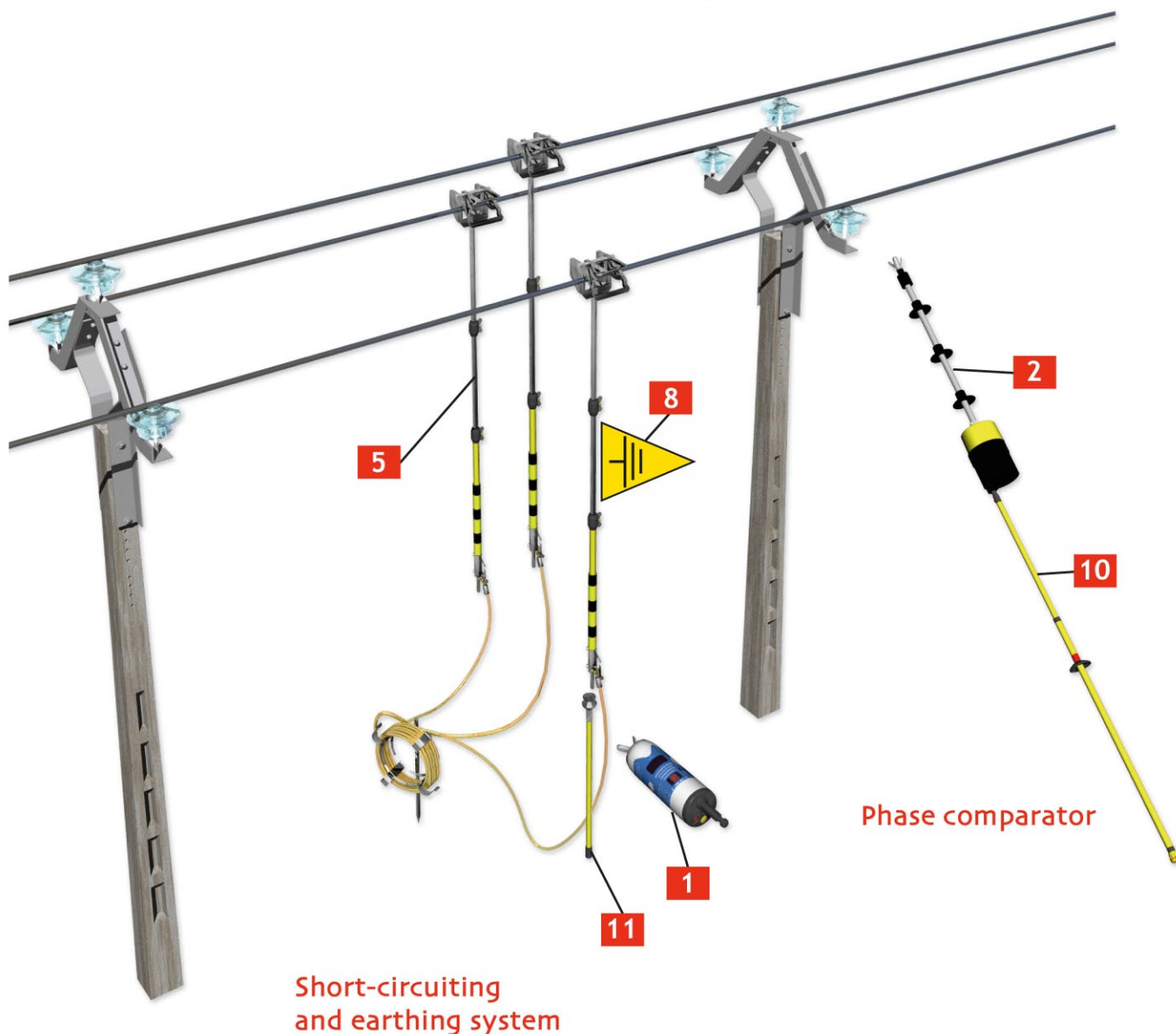
### Short-circuiting Systems

- |          |  |                             |
|----------|--|-----------------------------|
| <b>3</b> | IEC short-circuiting and earthing systems:<br>Three-phase crossarm networks<br>(work from pole)    | References: MT-6613 serie   |
| <b>4</b> | Clamps and spare parts   |                             |
| <b>5</b> | Short-circuiting and earthing systems:<br>Mid-span horizontal configurations<br>(Work from ground) | References: MT-512/.. serie |

# APPLICATIONS

Before intervention select the right personnel protective equipment

## Overhead line work from ground



### Earth Clamps, rod and flags

<b>6</b>	Earth Clamps	References: MT-840/1, MT-843
<b>7</b>	Earth rods	References: MT-650, MT-652/2
<b>8</b>	Earth Flags	References: AL-58, AL-60

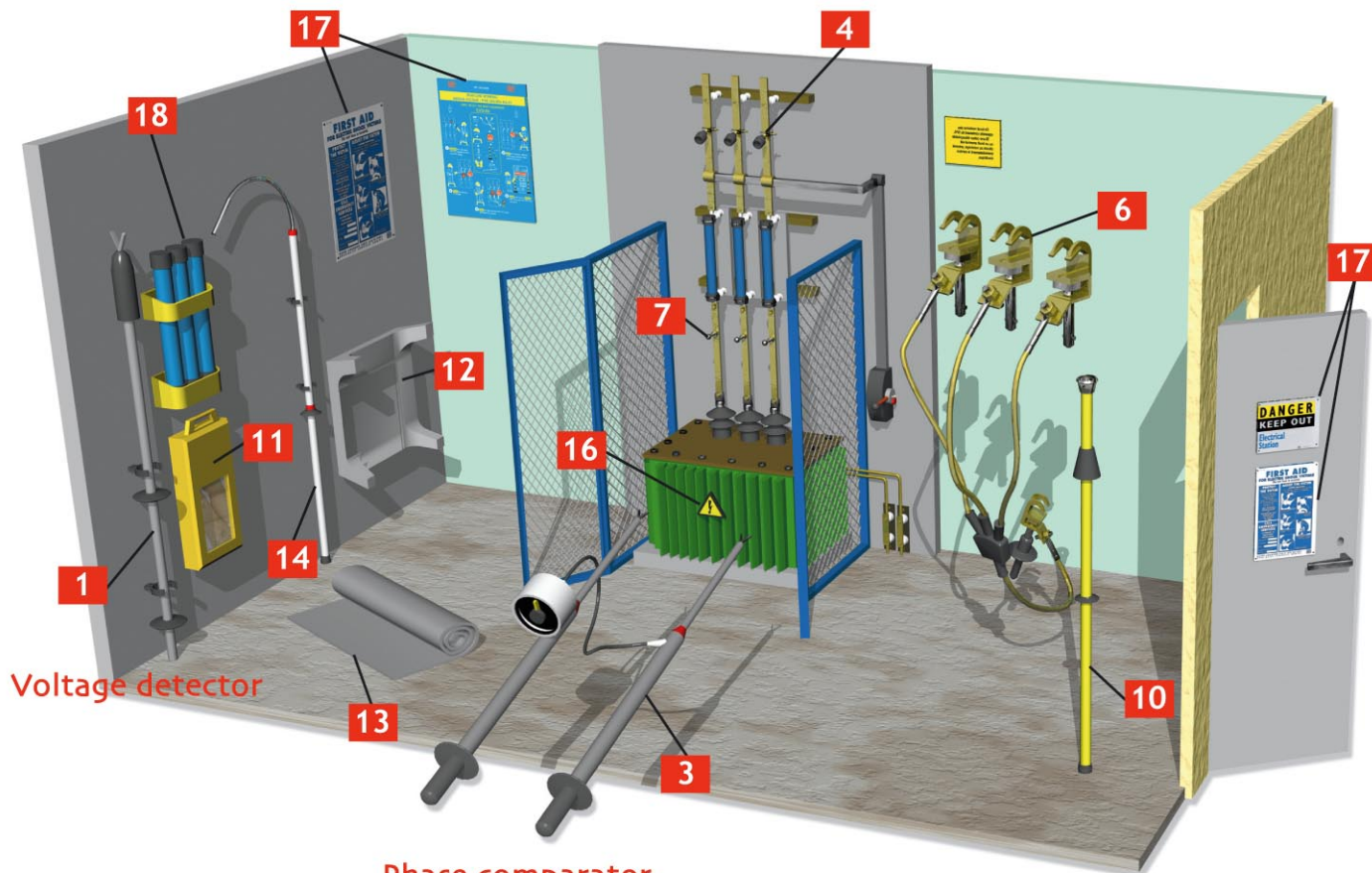
### Insulating sticks

<b>9</b>	Insulating Sticks IEC For short-circuiting systems and Voltage detectors	References: CM-4, CM-7, CM-4000
<b>10</b>	Insulating sticks IEC for voltage detectors	References: CE-4-21, CE-75
<b>11</b>	Insulating sticks for short circuiting system MT-512	Reference: MT-531

# APPLICATIONS

## Examples of usual applications

### Substation with Bare conductors



Voltage detector

Phase comparator

Short-circuiting and earthing system

### Voltage detectors and phase comparators

- |   |  |                                     |
|---|--|-------------------------------------|
| 1 | Voltage detectors for indoor use 5-40 kV   | References: CL-4, CL-2 series       |
| 2 | Voltage detector for separable connectors  | Reference: CC-151-K                 |
| 3 | Phase comparators two poles or single pole | References: CL-5, CL-8, CL-7 series |
| 4 | Permanent luminous indicator               | Reference: CL-40010                 |
| 5 | Integrated systems VIS VDS                 | References: CL-495, CL497, CL-498   |

### Short-circuiting Systems

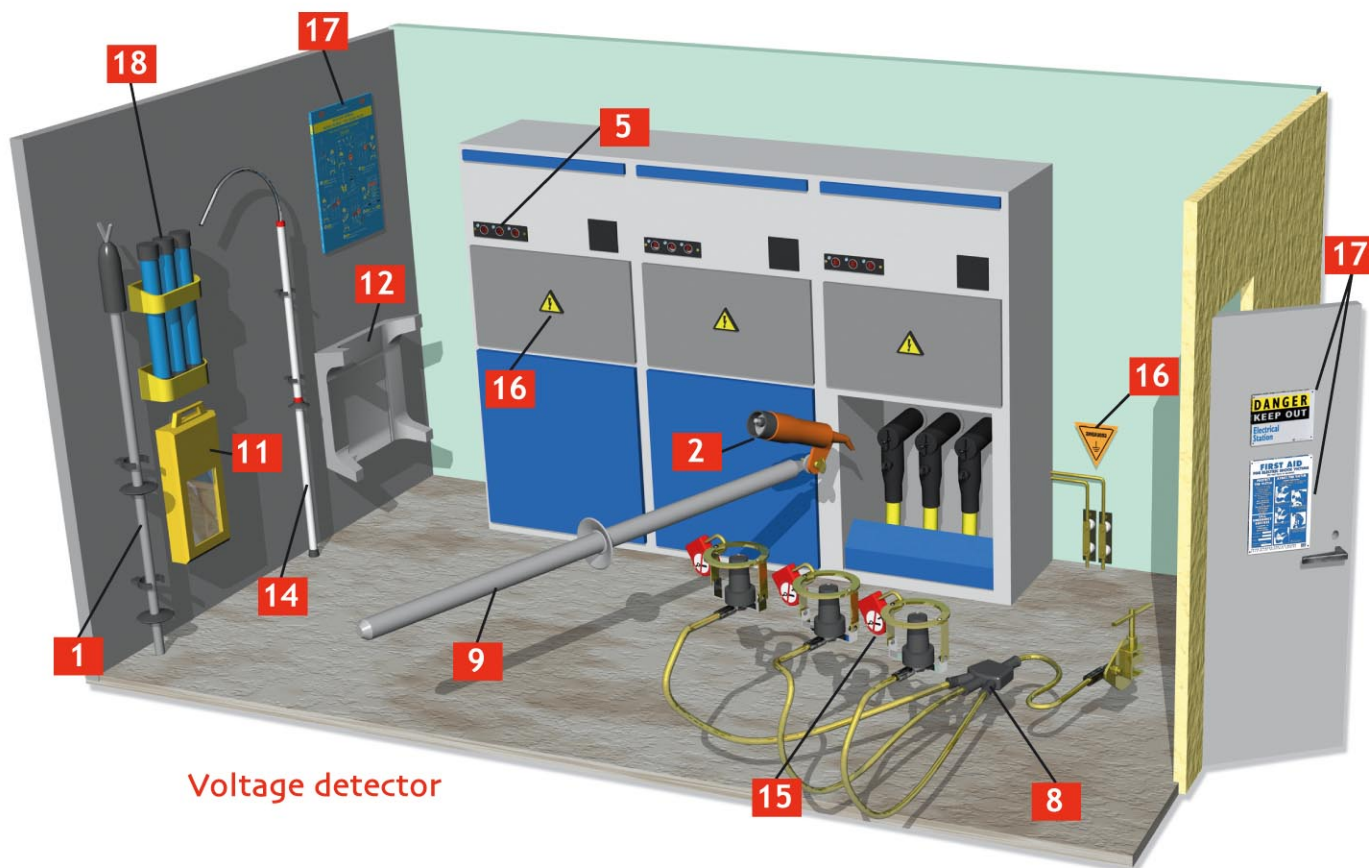
- |   |  |  |
|---|--|--|
| 6 | Short-circuiting system for MV substations:<br>For installation on permanent fixed points<br>For installation on bare conductors | References: MT-1910/MT-1920<br>References: MT-5805/MT-9801 |
| 7 | Fixed points   | References: MT-2950/MT-3950 series                         |
| 8 | Short-circuiting system for switchgear:<br>For 250 A separable connectors<br>For 400 A separable connectors                      | Reference: MT-8612<br>Reference: MT-8614                   |



# APPLICATIONS

Before intervention select the right personnel protective equipment

## Substation with switchgear and metalclad switchgear



Voltage detector

Short-circuiting and earthing system



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### Insulating sticks

- |           |   |                                |
|-----------|---|--------------------------------|
| <b>9</b>  | Insulating stick for CC-151-K voltage detector  | Reference: CC-45-K             |
| <b>10</b> | Insulating sticks for substations use IEC-61235 | References: CF-5-40/CE-4-21... |

### Protective equipment

- |           |   |                           |
|-----------|---|---------------------------|
| <b>11</b> | Insulating rubber gloves 26500 V with storage box | References: CG-30/CG-35/1 |
| <b>12</b> | Insulating Platform 24000 V                       | Reference: CT-7-25/1      |
| <b>13</b> | Insulating mat 26.5 kV                            | Reference: MP-42/11       |
| <b>14</b> | Rescue stick 45 kV                                | Reference: CS-45          |

### Warning signs and accessories

- |           |                            |                                |
|-----------|----------------------------|--------------------------------|
| <b>15</b> | Safety padlock             | Reference: AL-230/..           |
| <b>16</b> | Warning signs in aluminium | References: AM-49/1, AM-344-GB |
| <b>17</b> | Specialised signs          | References: AP-510-GB/AM-20-GB |
| <b>18</b> | Fuse holder                | Reference: CI-23               |