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SAFER

more

Cost effective

and

alternatif

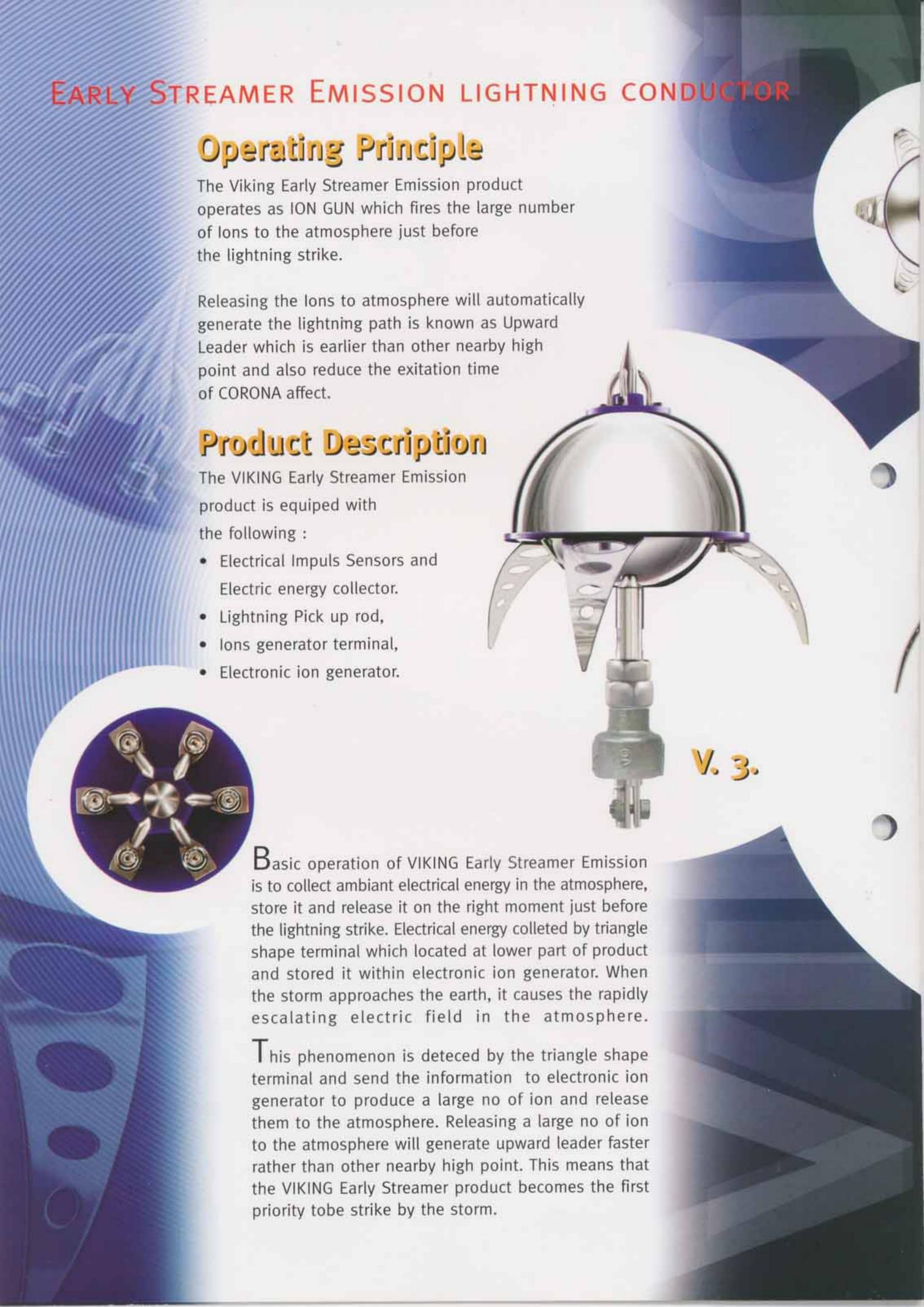
as compare

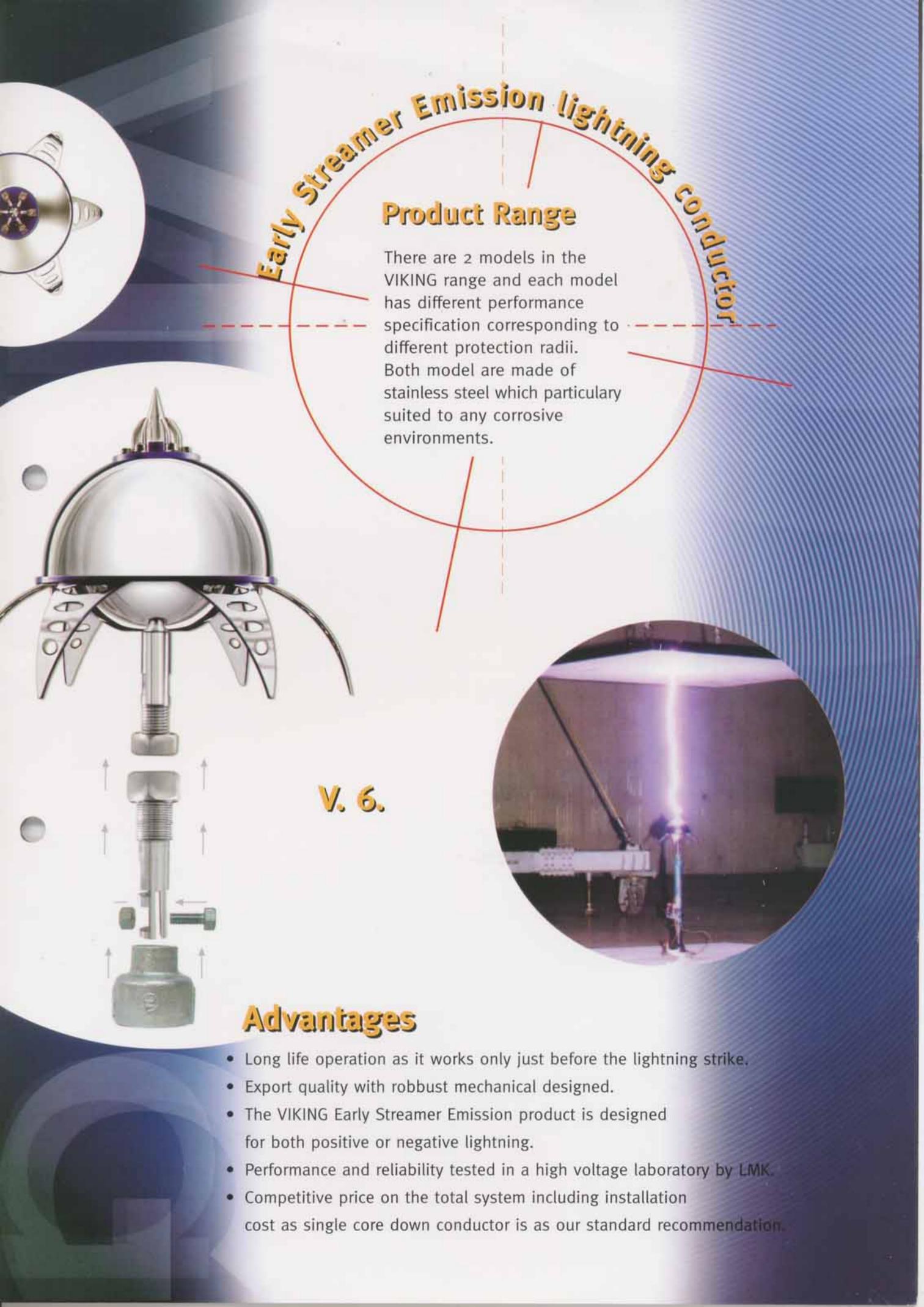
to

conventional

lightning conductor

system.





According to formula defined by French National Standard NF C 17 - 102, the protection radius Rp of VIKING Lightning conductor is calculated by the following formula:

Rp (m) =
$$\sqrt{h(2D - h) + \triangle L(2D + \triangle L)}$$
, where h > 5 m where h < 5 m, protection radius is taken of the table shown below.

- h (m) = Height of VIKING above the area tobe protected. if the VIKING is tobe used to protec the building, the height of mast should be added by the height of building to calculated the radius protection at the ground level of building.
- D (m) = Striking distance in value 20m, 45m or 60m depending on the protection level required according to the lightning risk on the area tobe protected.

ΔL (m) = 10⁶ ΔT (μsec)

ΔL (μsec) = Triggering advance which determined in High Voltage Test Laboratory depending on the selected type of VIKING.

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Level	1	protection	: D	=	20	m

h(m) Type	2	3	4	5	6	7	8	10	15	20
V3	25	38	50	64	64	65	65	65	66	66
V6	34	52	70	87	87	87	87	87	88	88

Level 2 protection : D = 45 m

h(m) Type	2	3	4	5	6	8	10	15	20	45
V ₃	33	49	66	82	83	85	85	88	89	93
V6	43	64	86	107	107	108	109	111	112	115

Level 3 protection: D = 60 m

h(m) Type	2	3	4	5	6	8	10	20	45	60
V3	36	55	74	92	92	93	96	101	109	110
V6	47	70	93	118	118	119	120	124	131	132

Туре	$\triangle T$ (µsec)	Weight (Kg)
V3	50	3,9
V6	70	4,3

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