DATA STRUCTURES

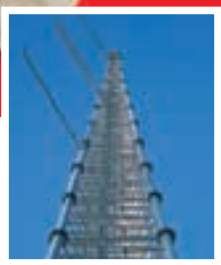
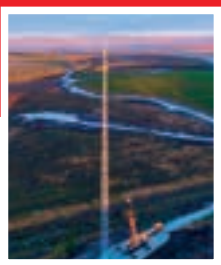
EXPERTS IN ELEVATED ENGINEERING

SLX

MET MASTS





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EXPERTS IN ELEVATED ENGINEERING

KONA
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SLX
MET MASTS

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SLX
MET MASTS

Established in 1998, **Data Structures** are a leading specialist designer and supplier of Met Masts, Met Towers, Remote Power & Communications Systems.

In 2002 we supplied our first Met Mast system and since then we have completed over 1200 projects for Weather Forecasters, Wind farm Developments, Government Agencies, Airport /Port Authorities and leading international Technical Consultancies.

In 2017 we acquired **KONA Structures** including the IP and designs for the entire range of SLX mast & tower structures for Telecommunications and Meteorology.

In 2019 we celebrate our 21st anniversary and continue to grow by regularly adding to our products range, accessories and services.

OUR BRANDS

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SLX
MET MASTS

SLX
TELECOMS TOWERS

SLX
RADIO MASTS

SLX
MONOPOLES

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MET MASTS

OUR RANGE OF SLX MET MAST STRUCTURES:

SLX1/W:

GUYED TUBULAR TEMPORARY MET MAST to 70m

SLX2/T:

SELF SUPPORTING WIND FARM COMMUNICATIONS MONOPOLE

SLX3/W:

GUYED LATTICE TEMPORARY MET MAST to 120m

SLX4/W:

GUYED LATTICE PERMANENT MET MAST to 160m

SLX5/W:

SELF SUPPORTING LATTICE PERMANENT MET TOWER to 160m.

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MET MASTS

SLX1/W: GUYED TUBULAR TEMPORARY MET MAST:

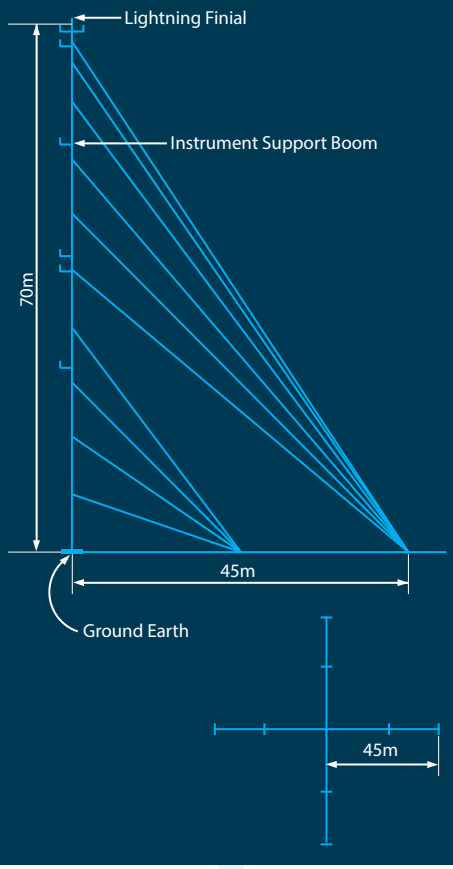
Designed as temporary mast solution for Wind Resource Assessment & Power Curve Testing.

Available from 10m to 70m. Full range of meteorological instrument support booms, ground anchors, foundations, earthing, aviation lights, cabinet brackets etc. available.

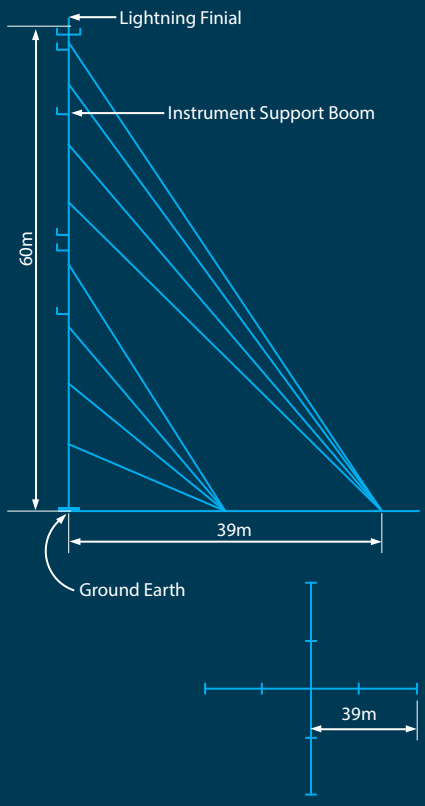
Designed and supplied to IEC61400.12.1 (2017).

CE
EN 1090

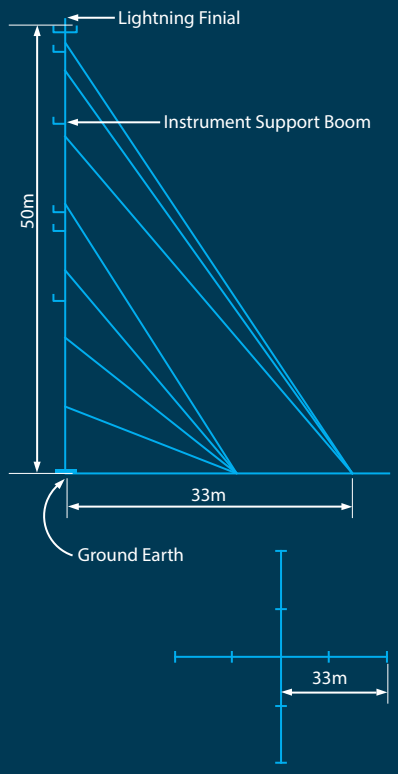
70m SLX Series 1 Met Mast



60m SLX Series 1 Met Mast



50m SLX Series 1 Met Mast



MAST HEIGHT	70m	60m	50m
GUY RADIUS	45m	39m	33m
GUY WIRES	8mm RHOL galvanised	6mm RHOL galvanised	6mm RHOL galvanised
GALVANISING	BS EN ISO 1461 - 85 microns. (Upgrades available for coastal sites)		
MATERIALS	EN10025-2:2004. EN10210-1:2006. Grades S275 & S355		
DESIGN	Eurocodes 1 & 3. IEC614.12.1(2107)		
MANUFACTURE	EN1090-1:2009 +A1:2011 CE marking standards		

* The above information is provided for information purposes only and subject to site specific alterations at contract stage.

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MET MASTS

SLX2/T: SELF SUPPORTING WIND FARM COMMUNICATIONS MONOPOLE

Designed as permanent stand alone structure to be installed at sub-station for data communications via wireless link antennas or satellite link dish.

Available from 6m to 30m as line of sight requirement

Full range of antenna support brackets, foundations, earthing, aviation lights etc. available.

MAST HEIGHT	Available from 6m to 30m (as per line of sight requirement)
FOUNDATIONS	Site specific for antenna loading and local environmental conditions
GALVANISING	BS EN ISO 1461 (85 Micron - upgrade available for coastal sites)
MATERIALS	EN10025-2:2004. EN10210-1:2006. Grades S275 & S355
DESIGN	Eurocodes 1 & 3
MANUFACTURE	EN1090-1:2009 +A1:2011 CE marking standards

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SLX
MET MASTS

SLX3/W: GUYED LATTICE TEMPORARY MET MAST

Designed as temporary mast solution for Wind Resource Assessment & Power Curve Testing.

Available from 10m to 120m. Full range of meteorological instrument support booms, ground anchors, foundations, earthing, aviation lights, cabinet brackets etc. available.

Designed and supplied to IEC61400.12.1 (2017).

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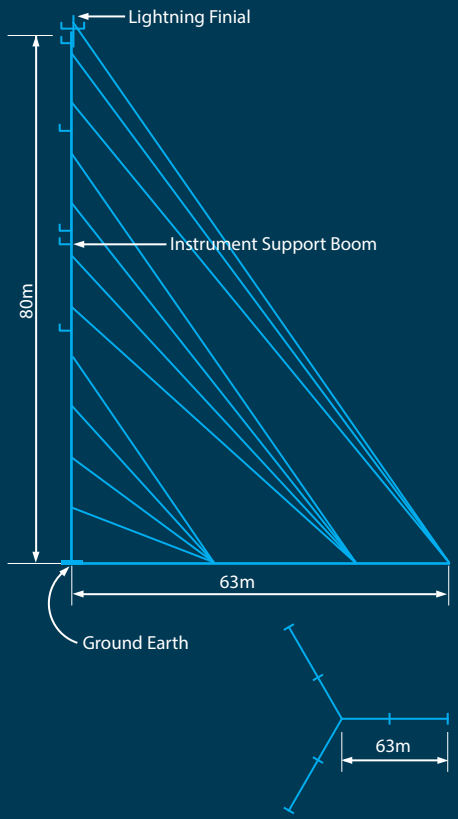
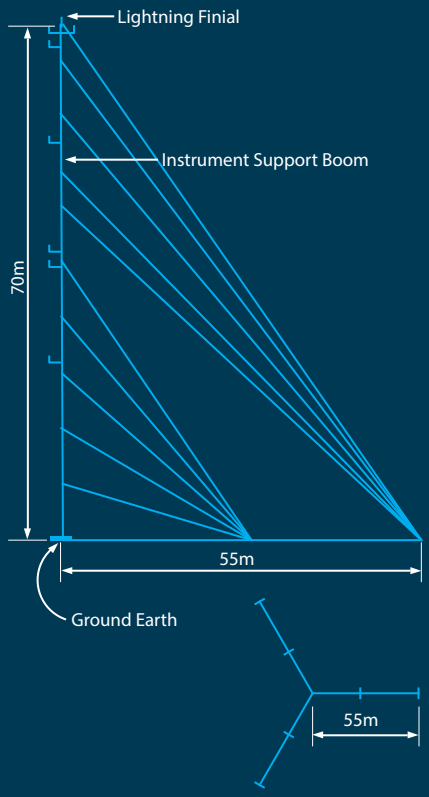
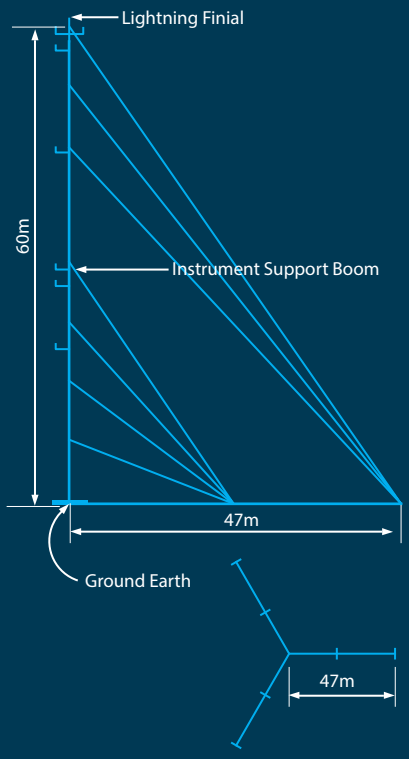
80m SLX Series 3 Met Mast



70m SLX Series 3 Met Mast



60m SLX Series 3 Met Mast



MAST HEIGHT	80m	70m	60m
GUY RADIUS	63m	55m	47m
GUY WIRES	8mm RHOL galvanised	8mm RHOL galvanised	6mm RHOL galvanised
GALVANISING	BS EN ISO 1461 - 85 microns. (Upgrades available for coastal sites)		
MATERIALS	EN10025-2:2004. EN10210-1:2006. Grades S275 & S355		
DESIGN	Eurocodes 1 & 3. IEC614.12.1 (2107)		
MANUFACTURE	EN1090-1:2009 +A1:2011 CE marking standards		

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SLX
MET MASTS

SLX4/W: GUYED LATTICE PERMANENT MET MAST

Designed as permanent mast solution for Reference Wind speeds on operational Wind farms. Site specific structural and foundations design for high altitude, ice loading, heavy payloads.

Available from 10m to 160m. Full range of meteorological instrument support booms, ground anchors, foundations, earthing, aviation lights, cabinet brackets etc. available.

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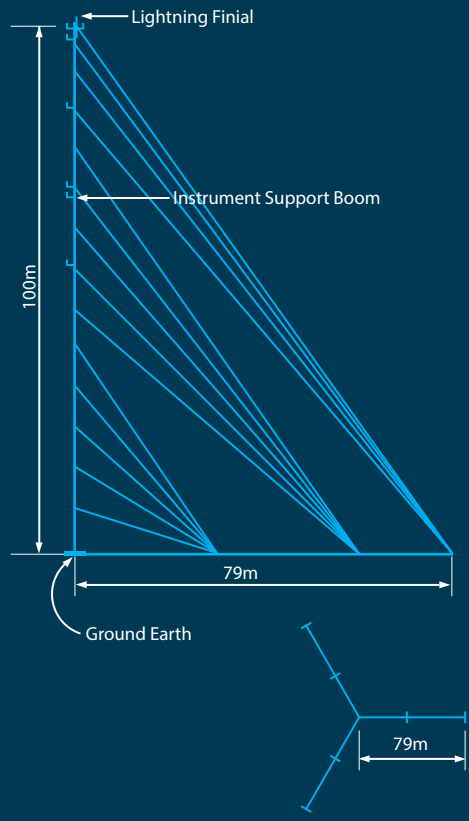
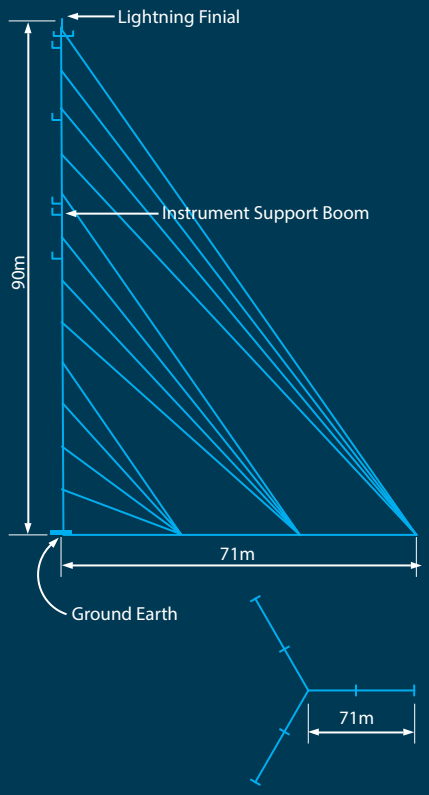
EN 1090

Designed and supplied to IEC61400.12.1 (2017).

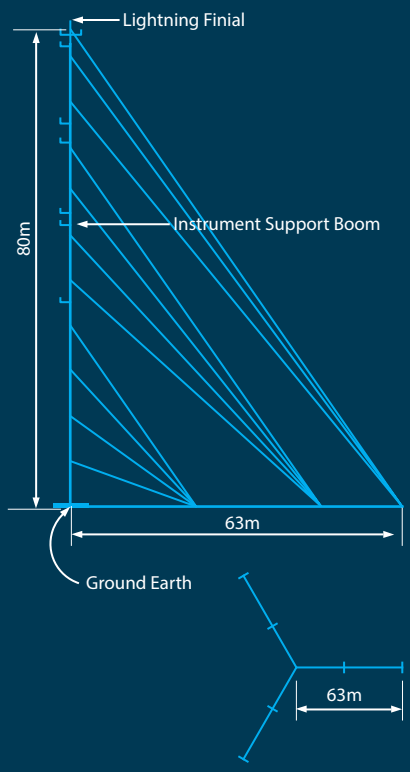
100m SLX Series 4 Met Mast



90m SLX Series 4 Met Mast



80m SLX Series 4 Met Mast



MAST HEIGHT	100m	90m	80m
GUY RADIUS	79m	71m	63m
GUY WIRES	10mm RHOL galvanised	10mm RHOL galvanised	10mm RHOL galvanised
GALVANISING	BS EN ISO 1461 - 85 microns. (Upgrades available for coastal sites)		
MATERIALS	EN10025-2:2004. EN10210-1:2006. Grades S275 & S355		
DESIGN	Eurocodes 1 & 3. IEC614.12.1 (2107)		
MANUFACTURE	EN1090-1:2009 +A1:2011 CE marking standards		

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MET MASTS

SLX5/W: SELF-SUPPORTING LATTICE PERMANENT MET TOWER

Designed as permanent mast solution for Reference Wind speeds on operational Wind farms. Site specific structural and foundations design for high altitude, ice loading, heavy payloads.

Available from 10m to 160m. Full range of meteorological instrument support booms,ground anchors, foundations, earthing, aviation lights, cabinet brackets etc. available.

CE
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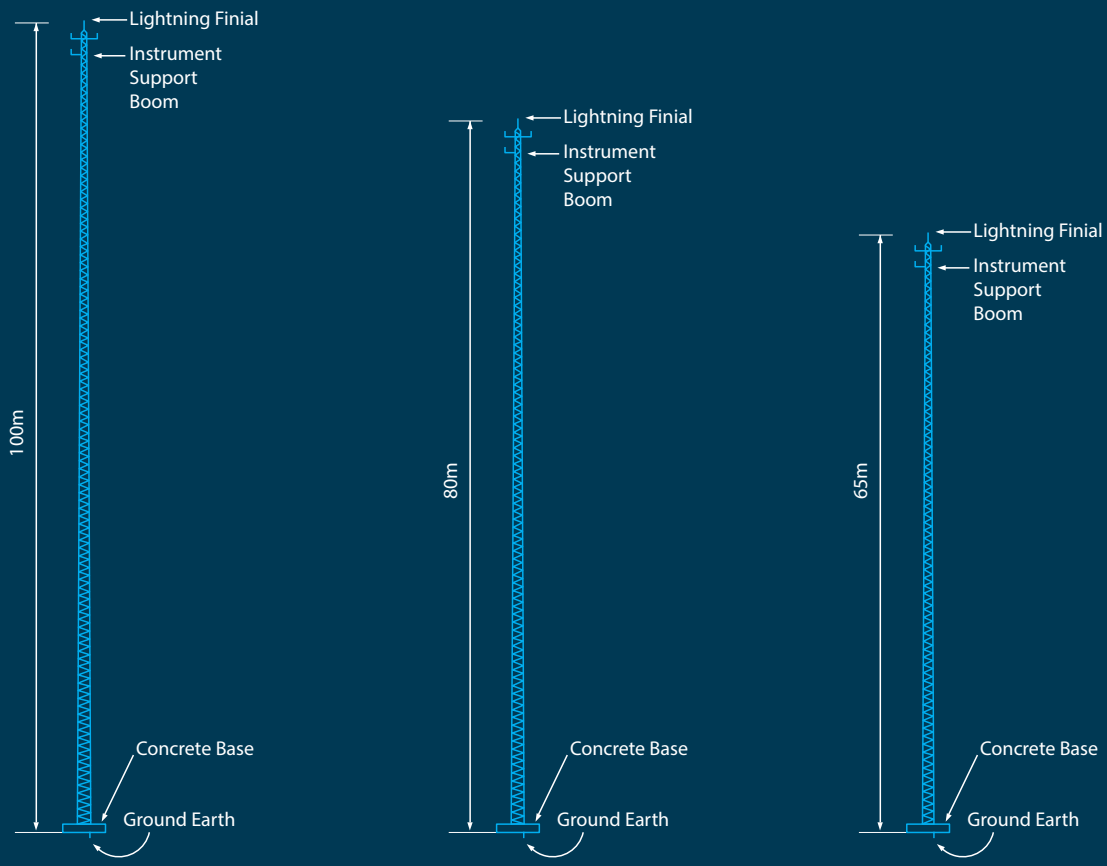

100m **SLX Series 5** Met Mast

80m **SLX Series 5** Met Mast

65m **SLX Series 5** Met Mast

MAST HEIGHT	100m	80m	65m
FOUNDATIONS	Site specific for payload and local environmental conditions		
GALVANISING	BS EN ISO 1461 (85 microns - upgrades available for coastal sites)		
MATERIALS	EN10025-2:2004. EN10210-1:2006. Grades S275 & S355		
DESIGN	Eurocodes 1 & 3		
MANUFACTURE	EN1090-1:2009 +A1:2011 CE marking standards		

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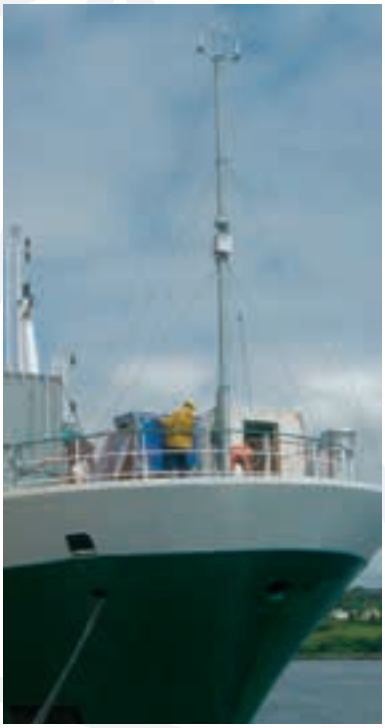

Why not compliment your Met Mast / MET Tower purchase from Data Structures with fittings from leading suppliers. We can supply you with a full package in accordance with your site specific specifications.

- ANEMOMETERS
- WIND VANES
- SENSORS:
  - *Pressure*
  - *Temperature & Relative Humidity*
  - *Precipitation*
- DATA LOGGERS
  - *GSM communications*
  - *Autonomous Power by PV*
  - *IP66 enclosures*
- EARTHING KITS
- AVIATION LIGHTING
- HIGH VISIBILITY DAYLIGHT MARKINGS
- ANTI CLIMB FRAMES
- FALL ARREST SYSTEMS
- BIRD FLIGHT DETERRENTS
- METEOROLOGICAL SENSOR SUPPORT BOOMS

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DATA STRUCTURES
73 Kenilworth Square East
Dublin D06 YY44
Ireland

TELEPHONE:
+ 353 (0)86 2560 250
EMAIL:
info@datastructures.ie

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WWW.KONASTRUCTURES.COM

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