Bluetooth Technology

Straightpoint wireless products are also available with a Bluetooth option, free to download HHP App for Android and iOS mobile devices. SP’s Bluetooth technology will allow you to monitor rigging line loads remotely, from a safe vantage point, up to 100m away. Have the convenience of using your own mobile smart device to view load, store and share load data from the project.
**Risky business**

The nature of an Arborist’s line of work is lined with a high number of risks. Where if anything goes wrong can lead to damaged equipment and assets, injury, or even fatalities. When you work at height you want to be assured the rigging lines will be able to take the weights and forces inflicted upon them. Because if a line’s tolerance is exceeded (leading to it failing and snapping), then this can instigate a catastrophic series of events. Beyond the initial accidental damage, further harm can be inflicted upon them. Because if a line’s resistance is found to be low. This is to prevent the tree from falling over if the force applied to the subject tree. Alternatively, a load cell to measure the trunk’s resistance. This diagram is showing how an arborist can test the stability of a tree using an SP Radiolink plus load cell to measure the trunk’s resistance. The SP Impact Block can be essential as a replacement for a standard rigging block to ‘Slidelining’ or ‘Speedlining’ is setup and used.

**High Line Anchoring or Negative Blocking**

In these type of rigging set-ups, where large sections of severed tree trunk segments need to be felled in a controlled and safe manner, the SP Impact Block can be used to monitor tension on the main holding/lowering rope-line. This is to prevent overloading and snapping of the line holding the trunk segment, which could consequently cause damage to the property within the area where it lands. It would also help to prevent potentially fatal accidents involving nearby work colleagues.

If a whole segment was to be sent into free fall it can create up to 500-600lbs of force on the line and if it were to snap then that same force could be inflicted upon where it lands.

**Tree Stability Testing**

This diagram is showing how an arborist can test the stability of a tree using an SP Radiolink plus load cell to measure the trunk’s resistance. As the line is pulled tighter using the pulley the load cell will allow the arborist to monitor/measure the force applied to the subject tree. This is to prevent the tree from falling over if resistance is found to be low. The tree’s stability depends on the condition of the soil the tree sits in.

**Redirect/Targeted Speedline/Slidelining Techniques**

There are times when a subject tree, which needs to be trimmed and have large branches removed, is in a location where there is property in close proximity to it. In order to prevent any trimmings from landing and damaging this property, a protected so-called rigging technique known as either ‘Slidelining’ or ‘Speedlining’ is setup and used. The SP Impact Block can be essential as a replacement for a standard rigging block to monitor and measure the tension on the rigging line that is being used to lower trimmed segments of the tree. Thus maximising safety within the job.

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**SP’s load monitoring systems are ideal for use in measuring line forces during numerous tree work activities carried out by Arborists**

Their products have been put through rigorous testing regimes and meet the high standards of many globally recognised industry bodies such as ASME (American Society of Mechanical Engineers), AWRP (Associated Wire Rope Fabricators), SCARA (The Specialised Carriers and Rigging Association), plus many more, with a range of intrinsically safe wireless products.

They have also developed them to be used with a wide range of industry standard rigging and lifting equipment that are utilised within tree management industry.

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