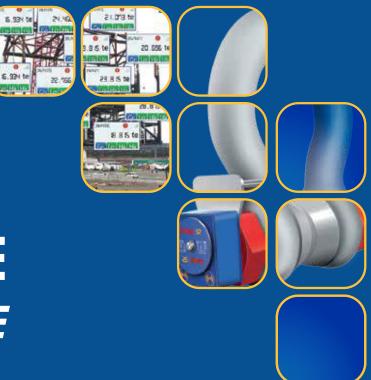




## INSIGHT SOFTWARE GUIDE



#### **PROOF TESTING**

When you are conducting any proof load testing applications, such as crane testing using water bags or other masses pad eye testing, crash-barrier or cylinder testing. INSIGHT enables you to document the load test in real-time with a load v time graph and automatically generate a pass or fail test certificate with full traceability.





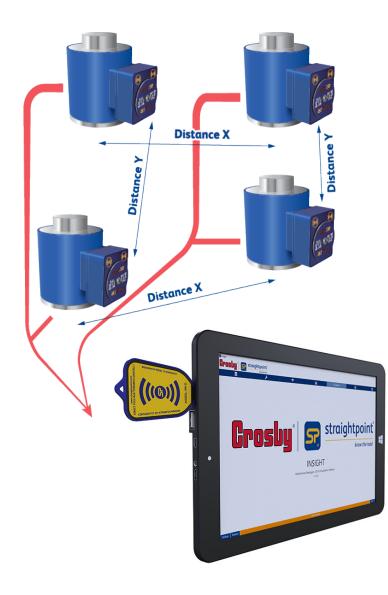


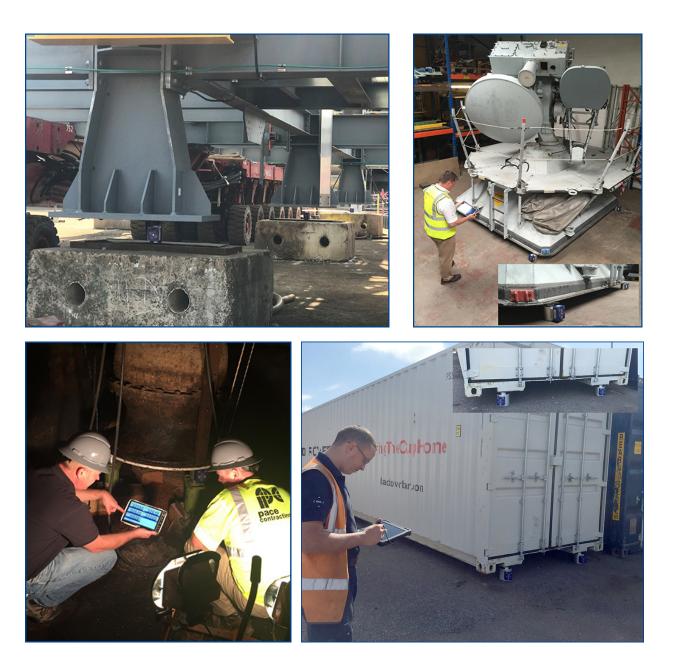
- SAFETY
- RELIABILITY
- INNOVATION

### **BEFORE THE LIFT**

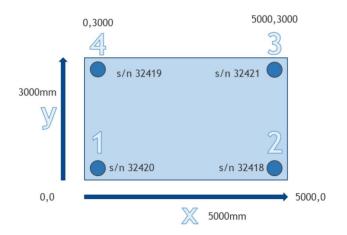
INSIGHT software is capable of wireless connection to up to 126 wireless compression load cells simultaneously. Place the compression load cells below all the load bearing points of the item you are lifting to establish the actual weight and Centre of Gravity of your item.

Wirelessly connect your load cells to your Windows PC or tablet.





Plot the distances between your load cells in the grid template in the software.



Now you will get read-outs of the load placed on each load cell, total weight, as well as a display of the center of gravity. The larger the circle the larger the weight.



After plotting and calculating the centre of gravity INSIGHT will compile a final report for you to export.

You are now ready to make a safe lift, knowing what you are lifting.

| ԵՐՕ                           | 5by°                          | Sr               |         |                       |                            | Can            | inc. b c   |             |            |
|-------------------------------|-------------------------------|------------------|---------|-----------------------|----------------------------|----------------|------------|-------------|------------|
|                               |                               |                  |         | ki                    | now the load               |                |            |             |            |
|                               |                               |                  | W       | EIGHING RE<br>Project |                            |                |            |             |            |
| Date:                         | Thursday, 28 November<br>2019 |                  |         |                       |                            |                |            |             |            |
| Operator:                     | DA                            |                  |         |                       |                            |                |            |             |            |
| Project:                      | Demo                          |                  |         |                       |                            |                |            |             |            |
| Project Number:               | 123                           |                  |         |                       |                            |                |            |             |            |
| Client                        | SP                            |                  |         |                       |                            |                |            |             |            |
| COG Units                     |                               |                  |         | Weight Unit           | 8                          |                |            |             |            |
| m                             |                               |                  |         | te                    |                            |                |            |             |            |
|                               |                               |                  |         |                       |                            |                |            |             |            |
| Environmental Co              |                               |                  |         |                       |                            |                |            |             |            |
|                               | Temperature<br>22             |                  |         | Wind Speed<br>10      |                            | Wind Direction |            |             |            |
|                               | 22                            |                  |         | 10 NE                 |                            |                |            |             |            |
| Coordinates                   |                               |                  |         | Load Cell Input       |                            |                |            |             |            |
| Cell Position                 | Cell Description              | Х                | Y       | Cell Position         | Description                | Weighing 1     | Weighing 2 | Weighing 3  | Mean       |
| 1                             | 123455                        | 0                | 0       | 1                     | 123455                     | 3.0            | 3.0        | 3.0         | 3.0        |
| 2                             | 123455 + 5                    | 0                | 10      | 2                     | 123455 + 5                 | 8.0            | 8.0        | 8.0         | 8.0        |
| 3                             | 123455 + 10<br>123455 + 12    | 10               | 0       | 3                     | 123455 + 10<br>123455 + 12 | 13.0           | 13.0       | 13.0        | 13.0       |
| 5 <b>.</b>                    | 123433 T 12                   | 10               | , ite   |                       | TOTALS                     | 38.9           | 38.9       | 38.9        | 38.9       |
|                               |                               |                  |         |                       | 10 1120                    |                |            |             |            |
| COG Result                    |                               |                  |         |                       |                            |                |            |             |            |
| COG RESUL                     | Minish                        |                  |         | Malah har 0           |                            | Melah          | 1          |             |            |
|                               | Weighing 1                    |                  |         | Weighing 2            |                            | Weighing 3     |            | Mean        |            |
| COG X<br>COG Y                |                               |                  | 7.18689 |                       | 7.18711<br>5.90058         |                |            | 7.18696     |            |
| COGY                          | 5.90                          | J <del>4</del> 0 |         | 5.90048               |                            | 5.900          | 130        | 5.9         | 1001       |
| MEAN TOTAL WEIGHT:            |                               | 38.9             |         |                       |                            |                |            | Mean Centre | of Gravity |
| Standard Deviation Weight     |                               | 0                |         |                       |                            | COG X          |            | 7.18696     |            |
| Standard Deviation in Percent |                               | 0                |         |                       |                            |                | COGY       | 5.900       | 51         |
| Notes:<br>heavy rain          |                               |                  |         |                       |                            |                |            |             |            |
|                               |                               |                  | Name    |                       | Signature                  |                | Date       |             |            |
| Crosby Strai                  | ghtpoint Representative       |                  |         |                       |                            |                |            |             |            |
| Clien                         | t Representative              |                  |         |                       |                            |                |            |             |            |
|                               | er Representative             |                  |         |                       |                            |                |            |             |            |



- SAFETY
- RELIABILITY
- INNOVATION

#### **DURING THE LIFT**

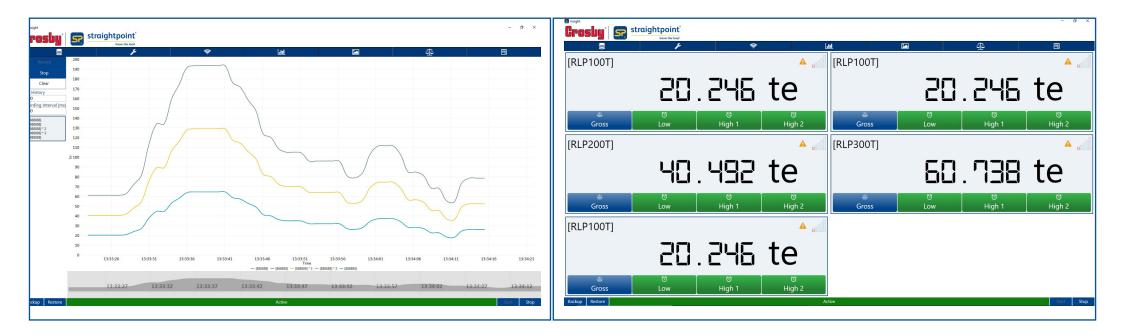
You can use any combination of Straightpoint's load cells to monitor your lift. Mix-and-match between Radiolinks and Loadshackles. The maximum wireless range is an impressive 700 meters or 2300 feet!





The load cells will transmit information to your PC as often as 200 times per second.

During the lift you can display your data either as graphs or in numerical displays.



An example of INSIGHT in actual use lifting a refinery installation weighing >500T using a custom made lifting truss and 12x 100T Radiolink plus.





To get a better overview you can display all load cells on a background of your choice, and place each cell display where it is actually

At all times you get visual and audible alarms for over and under loads.

located.





- SAFETY
- RELIABILITY
- INNOVATION

### AFTER THE LIFT

Once the lift is finished your H&S department or your customer often require proof of how the lift unfolded. With INSIGHT all data from the lift is logged and can be compiled in a report.

The information that is logged includes:

- Load per cell throughout the lift
- Total weight
- Exact x and Y coordinates for center of gravity
- Any dynamic shock loads during the lift
- Time, date, duration, position etc.
- Weather data such as wind speed and direction can also be added.
  Both you and your customer can be safe and confident that the lift was carried out correctly and no damage was inflicted on the load.

|                               |                               | <b>_</b> •• | straightpoint |                                  |             |            |                      |             |             |  |
|-------------------------------|-------------------------------|-------------|---------------|----------------------------------|-------------|------------|----------------------|-------------|-------------|--|
|                               |                               |             | W             | EIGHING RE<br>Project            |             |            |                      |             |             |  |
| Date:                         | Thursday, 28 November<br>2019 |             |               |                                  |             |            |                      |             |             |  |
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| Project:                      | Demo                          |             |               |                                  |             |            |                      |             |             |  |
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| lient:                        | SP                            |             |               |                                  |             |            |                      |             |             |  |
| COG Units                     |                               |             |               | Weight Unit                      | 8           |            |                      |             |             |  |
| m                             |                               |             |               | te                               |             |            |                      |             |             |  |
| Environmental Co              |                               |             |               |                                  |             |            |                      |             |             |  |
| Environmental Co              | Temperature                   |             |               | Wind Speed                       |             |            | Wind D               | irection    |             |  |
|                               | 22                            |             |               | 10                               |             |            | Wind Direction<br>NE |             |             |  |
|                               |                               |             |               | - 10 C                           |             |            | 14                   | 5)<br>      |             |  |
| Coordinates<br>Cell Position  | Call Description              | X           | Y             | Load Cell Input<br>Cell Position | Description | Weighing 1 | Whiching 2           | Weighing 3  | Mean        |  |
| Cen Position                  | 123455                        | 0           | 0             | Cell Position                    | 123455      | 3.0        | Weighing 2<br>3.0    | 3.0         | Mean<br>3.0 |  |
| 2                             | 123455 + 5                    | 0           | 10            | 2                                | 123455 + 5  | 8.0        | 8.0                  | 8.0         | 8.0         |  |
| 3                             | 123455 + 10                   | 10          | 0             | 3                                | 123455 + 10 | 13.0       | 13.0                 | 13.0        | 13.0        |  |
| 4                             | 123455 + 12                   | 10          | 10            | 4                                | 123455 + 12 | 15.0       | 15.0                 | 15.0        | 15.0        |  |
|                               |                               |             |               | (                                | TOTALS      | 38.9       | 38.9                 | 38.9        | 38.9        |  |
|                               |                               |             |               |                                  |             |            |                      |             |             |  |
| COG Result                    |                               |             |               |                                  |             |            |                      |             |             |  |
|                               | Weighing 1                    |             |               | Weighing 2                       |             | Weighing 3 |                      | Mean        |             |  |
| COG X 7.15                    |                               | 16.0-       |               | 7.18689                          |             | 7.18711    |                      | 7.18696     |             |  |
| COGY                          | 5.90                          | 048         |               | 5.90048                          |             | 5.900      | 58                   | 5.90        | 0051        |  |
| MEAN TOTAL WE                 | EIGHT:                        | 38.9        |               |                                  |             |            |                      | Mean Centre | of Gravity  |  |
| Standard Deviation Weight     |                               | 0           |               |                                  |             | COG X      |                      | 7.18696     |             |  |
| Standard Deviation in Percent |                               | 0           |               |                                  |             |            | COGY                 | 5.90051     |             |  |
| Notes:<br>heavy rain          |                               |             |               |                                  |             |            |                      |             |             |  |
|                               |                               | Name        |               | 5                                |             | gnature    |                      | Date        |             |  |
| Crosby Stra                   | ightpoint Representative      |             |               |                                  |             |            |                      |             |             |  |
| Clier                         | nt Representative             |             |               |                                  |             |            |                      |             |             |  |
|                               | mer Representative            |             |               |                                  |             |            |                      |             |             |  |



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