



Floorsense.

aspect 

Real-time workpoint utilisation.

Use accurate data to drive workplace strategy.



Figuring out how much workspace your staff are actually using is critical, especially when moving buildings, making spatial decisions for a new fit-out, implementing activity-based working (ABW) or optimising floorplate capacity.

A traditional approach would see data collected from sources such as:

- Point-in-time studies
- Video analysis
- Building swipe-card records
- Counting coffee cups

At best this provides only a partial picture of reality and is difficult and time-consuming to compile.

Work smarter

Introducing Floorsense, a revolutionary product designed and developed in New Zealand to help businesses make informed decisions about their workspace and maximise the benefits of activity-based working environments.

A smart sensor is mounted under the workpoint and reports back real-time occupancy. Accurate utilisation statistics are built up over

time, revealing occupancy trends.

Take it one step further with the top-mounted Floorsight pad, which can easily be retro-fitted to existing desks and furniture. The integrated software allows users to reserve a workpoint via a mobile app, locate co-workers, and share their location by simply swiping an access card or charging their phone on the wireless pad.

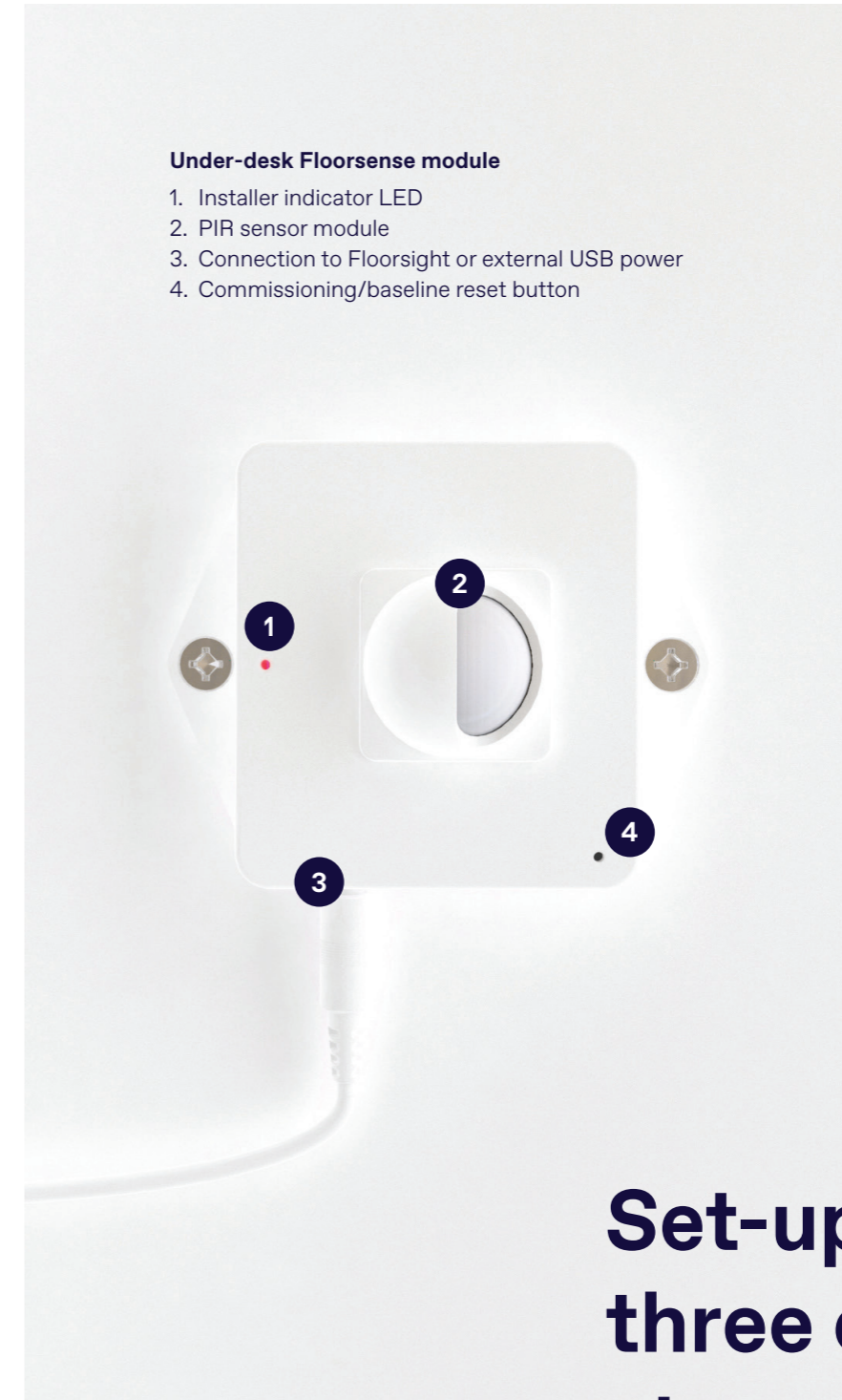
Floorsense provides flexibility and analytics for dynamic work environments.

Floorsense provides unparalleled access to reliable occupancy data. The system provides:

- Reports back to central controller via a dedicated radio channel
- Reliable operation with an advanced algorithm to minimise false positives
- Retro-fitting to any workpoint, and easy relocation
- Simple installation and mapping to workspaces via installer app used by the workpoint installer
- A low cost method for getting reliable utilisation statistics prior to a new fit-out or implementation of ABW
- Use of a low-frequency radio signal to auto-form a mesh network back to the controller (No IT infrastructure is required)



Under-desk Floorsense detection range



Under-desk Floorsense module

1. Installer indicator LED
2. PIR sensor module
3. Connection to Floorsight or external USB power
4. Commissioning/baseline reset button

Set-up in three easy steps.

1. Upload the floorplan and assign numbers to workpoints.
2. Scan the barcode to activate.
3. Start getting occupancy statistics and reports.



Floorsight features

- Combines Floorsense under-desk sensor with a RFID reader and wireless/wired charger unit
- An integrated "qi" wireless charger (iPhone 8+ and Android) + 2.1A 5V USB fast-charger port
- RFID card reader allows users to reserve a desk by swiping their building access card
- Traffic light system determines desk status – Free, Reserved, Do-Not-Disturb or Occupied
- An integrated speaker
- Gamification options to encourage use, with an app option
- Simple installation and commissioning using the same radio technology as Floorsense
- Reports on who is at a workpoint and enables booking of desks for users or groups
- Additional analytics



New Zealand designed, developed and supported technology.



Floorsight module

1. Brandable top cover
2. LED indicator
3. Card reader antenna
4. Qi wireless charging coil
5. USB fast-charging port
6. Audio speaker uses enclosure to amplify sound
7. Secure in-desk casing
8. Low-frequency high-performance network antenna sits below desk for optimal range
9. Simple and intelligent under-desk cabling connections

User friendly.

Smartphone app

The free Smartalock app for Android and iPhone can also be used with Floorsight to reserve desks, providing greater flexibility and control.

Features include:

- Automatic desk reservation when placing a phone on the Floorsight reader
- Easy sharing of the user's location with other users
- Geolocation and push notification reminders to release the desk in accordance with company policy
- Scanning of a QR code on each desk to reserve via a phone's camera (support for older phones)



The Smartalock kiosk screen doubles as a search interface for the location of colleagues.

Let users help themselves

- Floorsense 1.1 is a self-service user portal at my.floorsen.se
- A consolidated interface for managing desks and lockers
- Allows self-enrolment – no IT required
- Requires a cloud connection
- Keeps a full audit trail of locker access and desk usage

Easily create and manage workspace users, including flexible import options from existing swipe-card systems. Keep the user database in sync with external systems via a comprehensive and easy API.

Update floorplans, create block-bookings for groups, handle new starters and leavers and issue temporary cards – all from an intuitive interface, from anywhere in the world.

Simple, powerful analytics and reporting

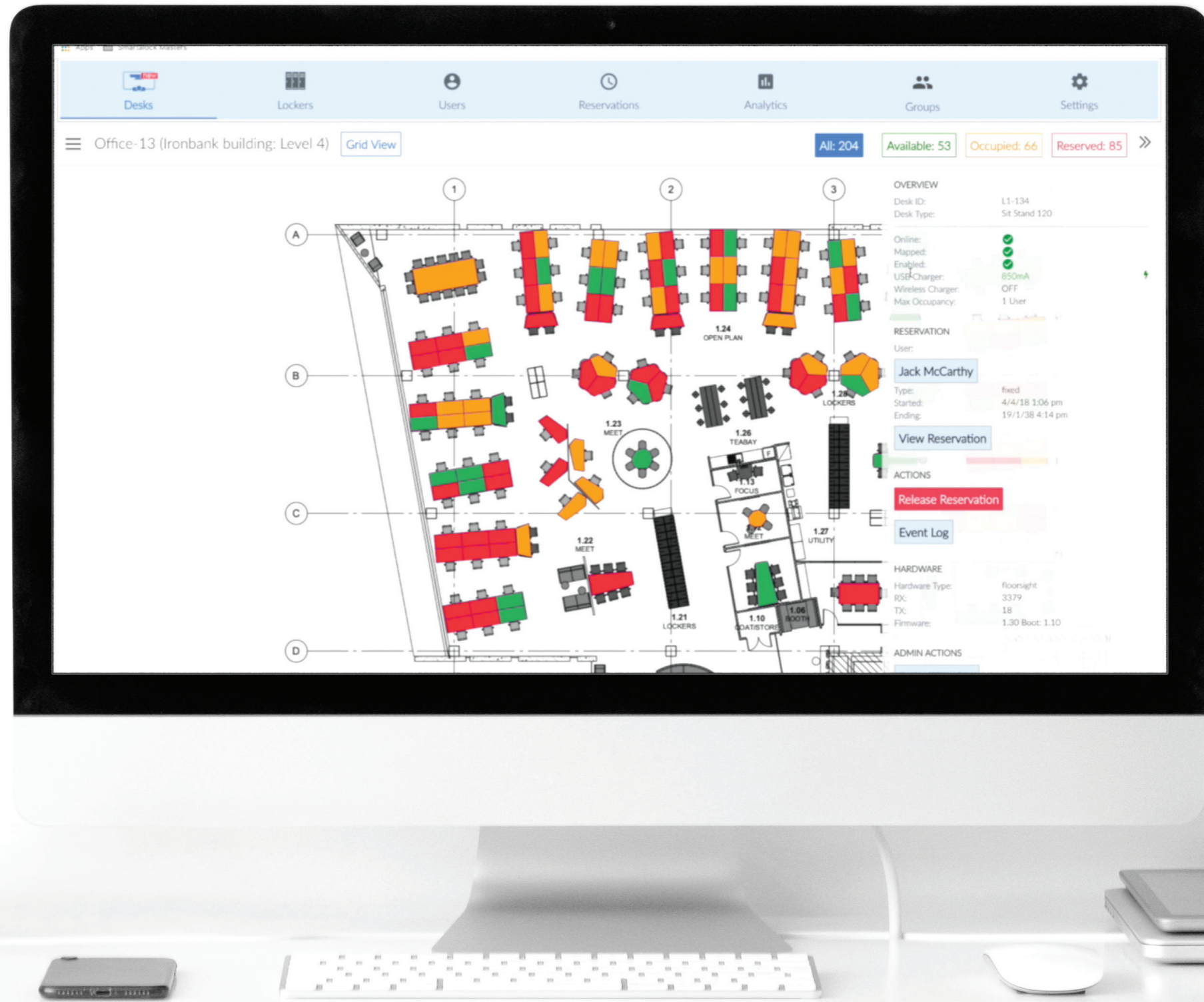
Detailed system analytics and reporting is included with every system. It provides instant answers to the most common facilities management questions:

- What is our peak utilisation rate? Reports per day, week, or month and broken down by floor or workspace type
- Where is "X" person working today and (optionally) where were they working historically?
- Do we have the right mix of workspaces?
- Do we have too many or too few workpoints in this particular area?
- Which users are embracing ABW principles?

External API access

Floorsense includes a RESTful API for access from external customer systems. The open API format allows for the desk reservation system to be integrated into the wider building automation platforms.

- Separate API credentials ensure security and audit of API access
- Control users, cards, PINs and desk reservations directly with a third-party system
- Release desks and query their state without having to use the master controller web interface
- Build desk management, control and access into wider building management platforms
- Detailed documentation and developer support available



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