ACA
WORKPLACE
MANAGEMENT
www.acaprojects.com

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OVERVIEW

ACAEngine is a smart-building platform that can connect all devices, building systems and third-party software into a single work-place solution.

As a true platform, the features are modular and can be developed or tweaked for the project. However, many common problems can be solved with a work-place app. This is front-end that sits on top of the ACAEngine platform and can take the form of web portal, app, kiosk or touch panel- in any combination.

Furthermore, by linking single sign-on with location services we can trigger many building control events automatically in the background- moving beyond an app or touch panel only experience.

There are two simple questions we ask to make the journey throughout the building seamless:

1. Who? We find this out by integrating into your single sign-on solution. If you are logged into your corporate email, calendar or any other internal system then we can start to tailor your building experience.

2. Where? This can be provided through WiFi triangulation, Bluetooth beacons, RFID Staff card tracking or for best results- a combination of methods. The advantage of a modular platform like ACAEngine is that you are never tied to one dependency.

Authentication and Location provide a control experience that is relevant to the person and where they are in the building. This can include automatically checking into meeting rooms, providing room access without the need for swipe cards (or expensive swipe card readers) or to trigger anything in the building that can be connected to the ACAEngine platform.

All usage data across interfaces and systems can integrate into standard analytic platforms such as Google Analytics or IBM Watson. Not only does this provide trends and utilisation data but it provides a future proof option as Machine Learning and A.I become available in these platforms.

This document provides an overview of how ACAEngine can be used as a workplace management solution. Any of these features can be used as a standalone offering or all the features can be combined in one package.

For more information please click here to contact us.

ACAENGINE
IS A PLATFORM.
THIS MEANS
FEATURES ARE
MODULAR

ACAENGINE

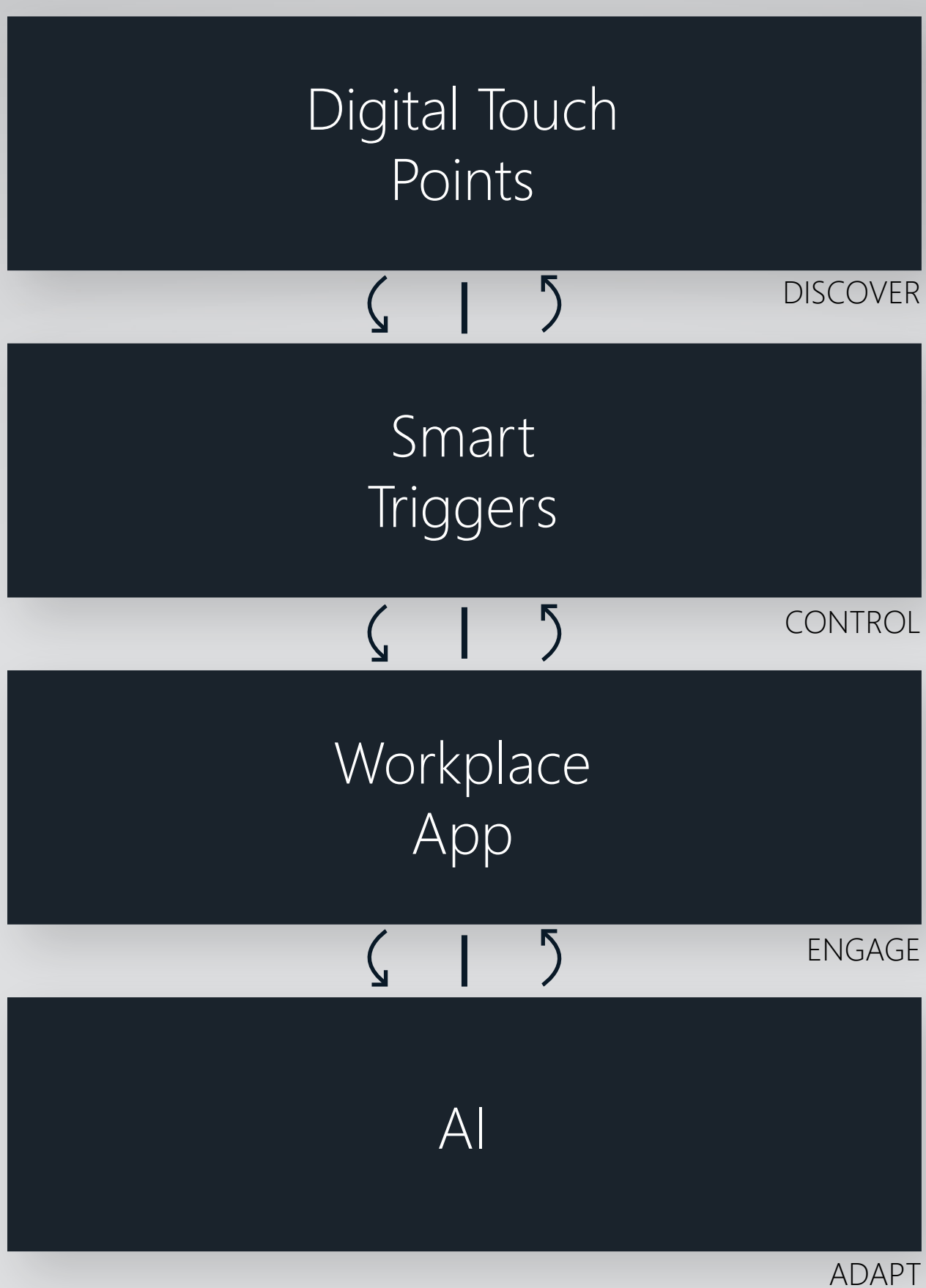
ACAEngine is the core platform that makes the user experiences possible. Each device or software system connects to ACAEngine as a module or driver. This allows software and devices to be grouped into systems for automation. Anything on the platform can then be controlled via an interface, workplace app or triggers. Ultimately, ACAEngine allows disparate systems to talk to each other- providing new possibilities with building automation.

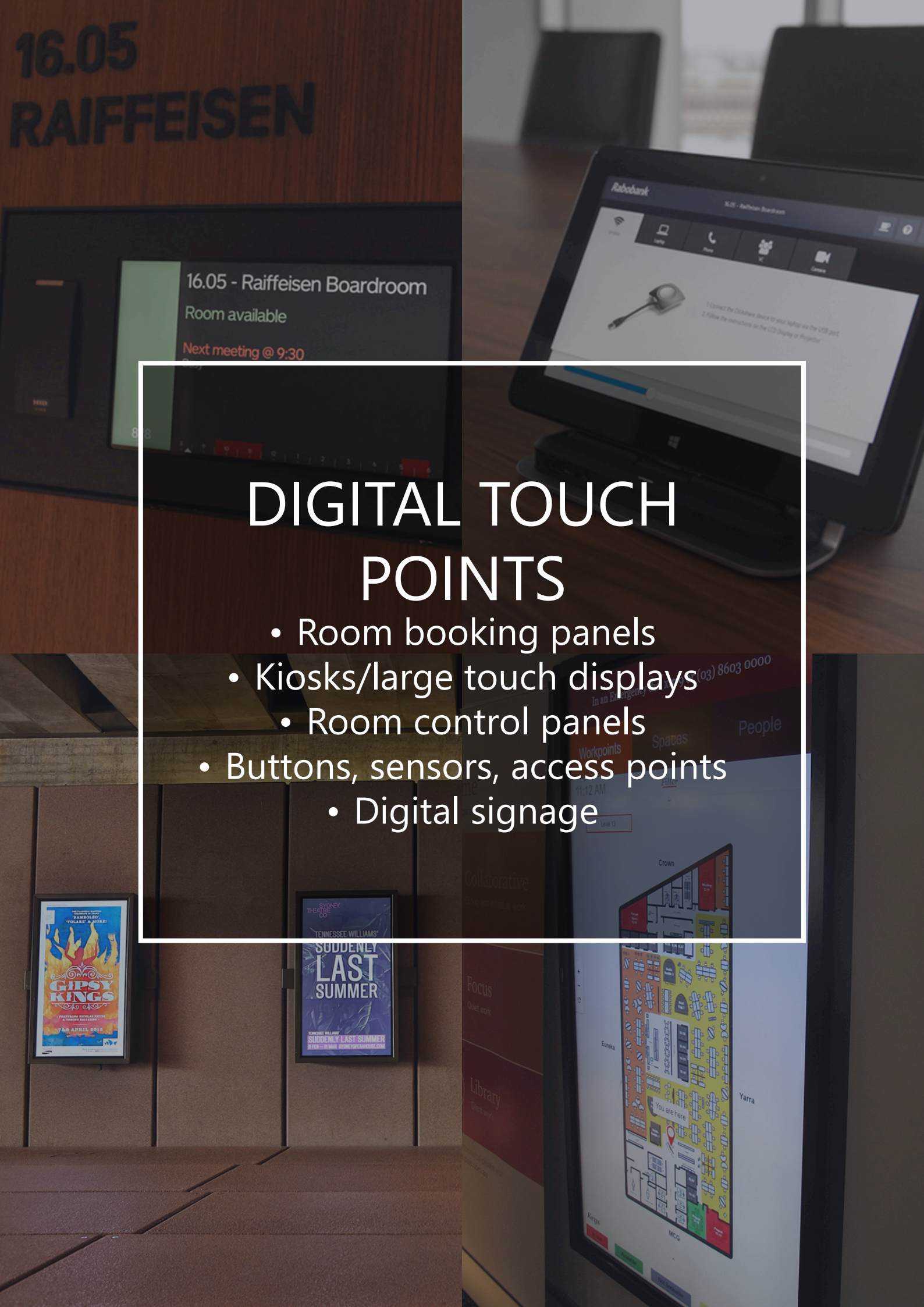
The benefits are incontrovertible when compared to traditional hardware-based controllers. ACAEngine provides new features, has a great user experience, is low cost when scaled to large projects, is extremely secure and has a low barrier of entry. As the solution is completely web-standard we can integrate into analytics platforms, such as Google Analytics, to get room and device history.

One of the strongest components of the ACAEngine offering is the included admin features. The platform provides the ability to manage a room, building, campus or enterprise from your web browser. This can be used to add new systems, monitor users, rooms and devices and managing assets in rooms.

Furthermore, many components of ACAEngine are open source with documented APIs. This means anyone can build device drivers, system logic and all our clients have access to our entire library of open source device drivers.
Check our developer portal for more information.

THIS COVERS

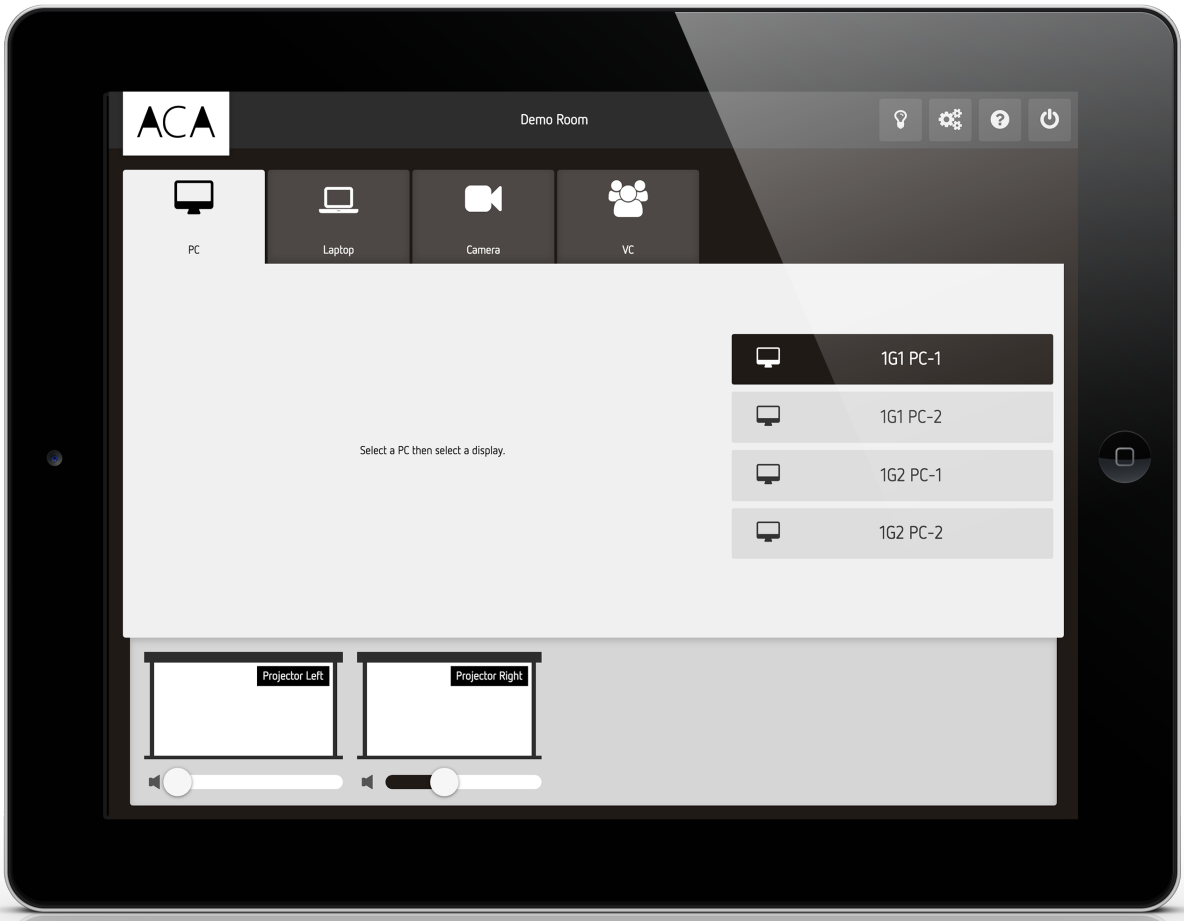

Digital Touch Points
DISCOVER
Smart Triggers
CONTROL
Workplace App
ENGAGE
AI
ADAPT



DIGITAL TOUCH POINTS

- Room booking panels
- Kiosks/large touch displays
- Room control panels
- Buttons, sensors, access points
- Digital signage

DIGITAL TOUCH POINTS



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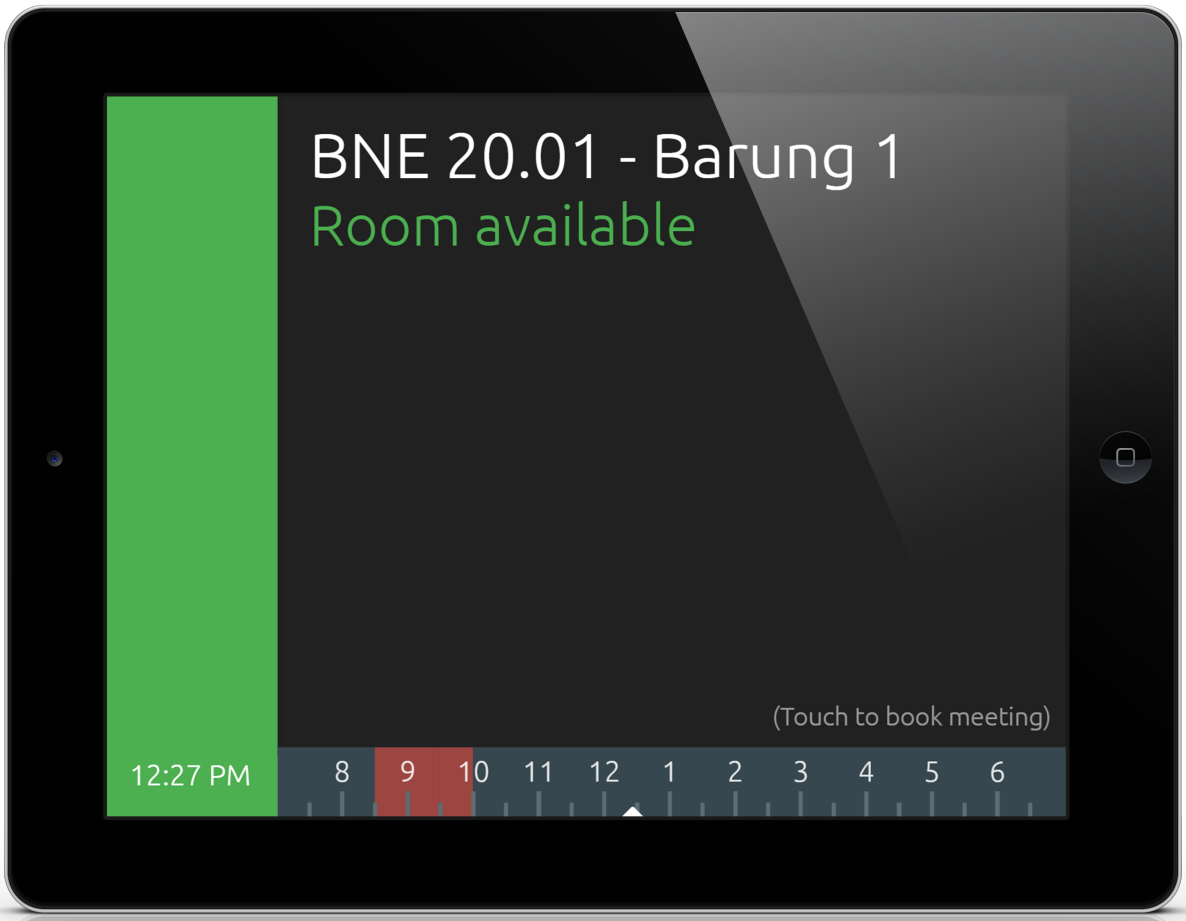


SMART TRIGGERS

GO BEYOND THE TRADITIONAL CONTROL APPROACH

If you know WHO someone is and WHERE they are you can automate the building experience.

WORKPLACE APP

BOOK

Finding an available room based on your requirements sounds simple enough- but is a common friction point in most large workplaces. ACAEngine can connect to most corporate calendars or scheduling systems and automate processes, collect data and most importantly trigger events. This includes all the common features: room booking panel, booking app (which might be a part of a larger workplace app) and integration into your calendar systems. But we have a few more tricks up our sleeves.

Most room booking solutions are passive- but ACAEngine can take your requirements based on your room search and setup the room before you get there. We can also track when people turn up to meetings from WiFi tracking and provide data on room usage not just booking usage. EG what do your customers do in meeting rooms?

FIND

An interactive map can tie many user experiences together. It can show room availability of a whole floor at a single glance, allow control of rooms and open spaces, allow for ad hoc bookings, display desk availability and display information relevant to your location.

We take pride in the graphic design of our maps and avoid the engineering look and feel by creating SVG maps with attention to detail.

PEOPLE

There are many ways to track people in the building. As ACAEngine is a modular platform, we can integrate with any sensor or third-party platform via standard API calls. This allows you to use the right tracking technology at the right time.

For example, we can integrate with network access points by Cisco and HPE, Bluetooth beacon solutions or even the lighting sensors via the lighting network. Once we know where people are in your building we can provide people search, data reporting and trigger control events based on user locations.

CONTROL

There are two ways to improve the control experience in your building.

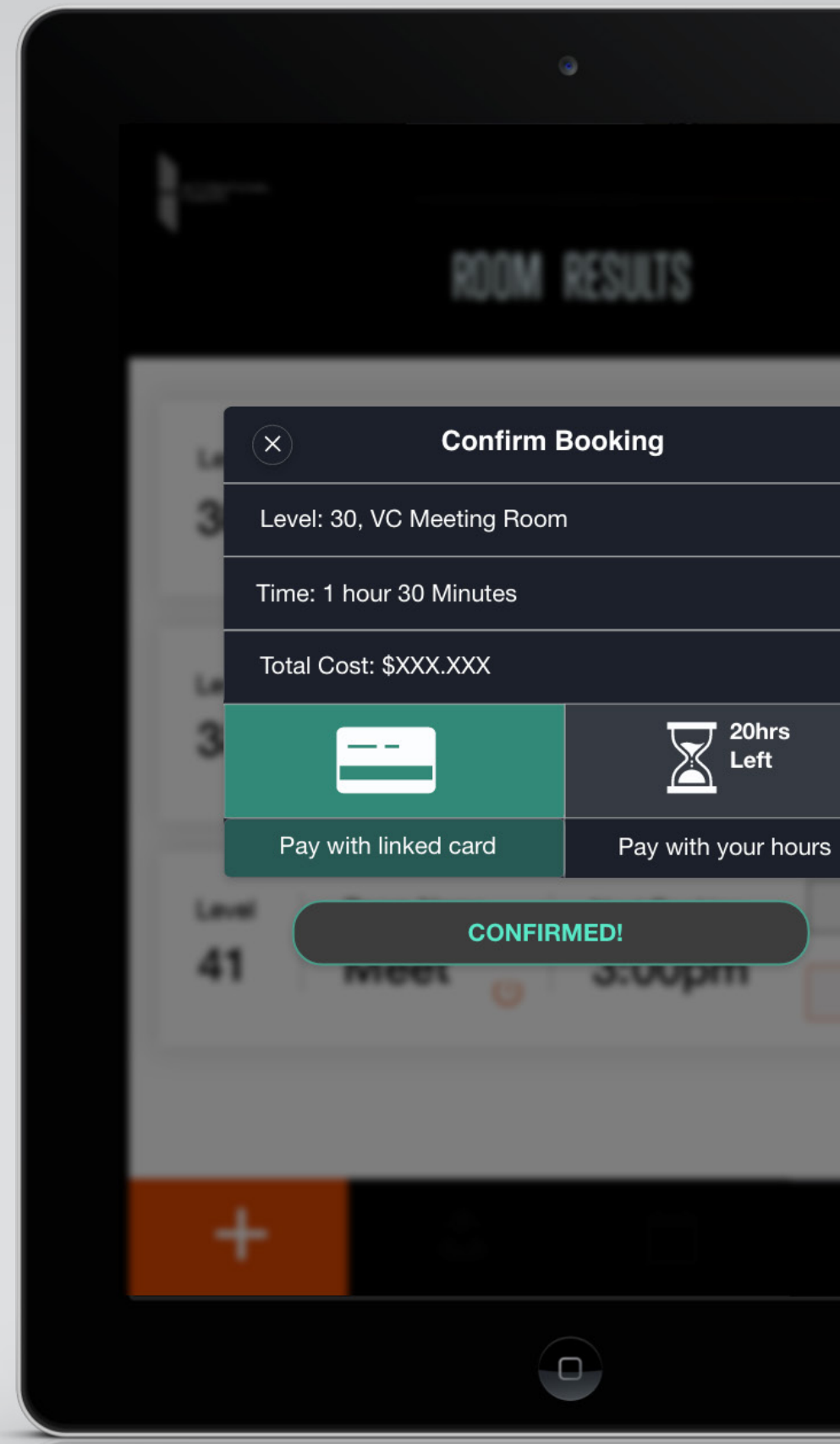
Firstly, have the room booking platform trigger rooms into the mode they need to be in automatically. Secondly, make the room control interface available on all devices or via the smart workplace app.

Traditional hardware control is not necessary and by making this small change you are likely to save on the cost of rollout. Some spaces can still benefit from an in-room touch panel but you can use any device with a web browser.

PAY

The lines between workplace, retail, entertainment venue and residential are blurring. We can take your smart workplace app and integrate it into the community around you.

By adding payments to your corporate authentication you can make one tap purchases in the workplace app. This could be for purchases in nearby retail stores or perhaps offer laundry drop-off / pickup services to the smart lockers in your building. Payments can happen in the background automatically.



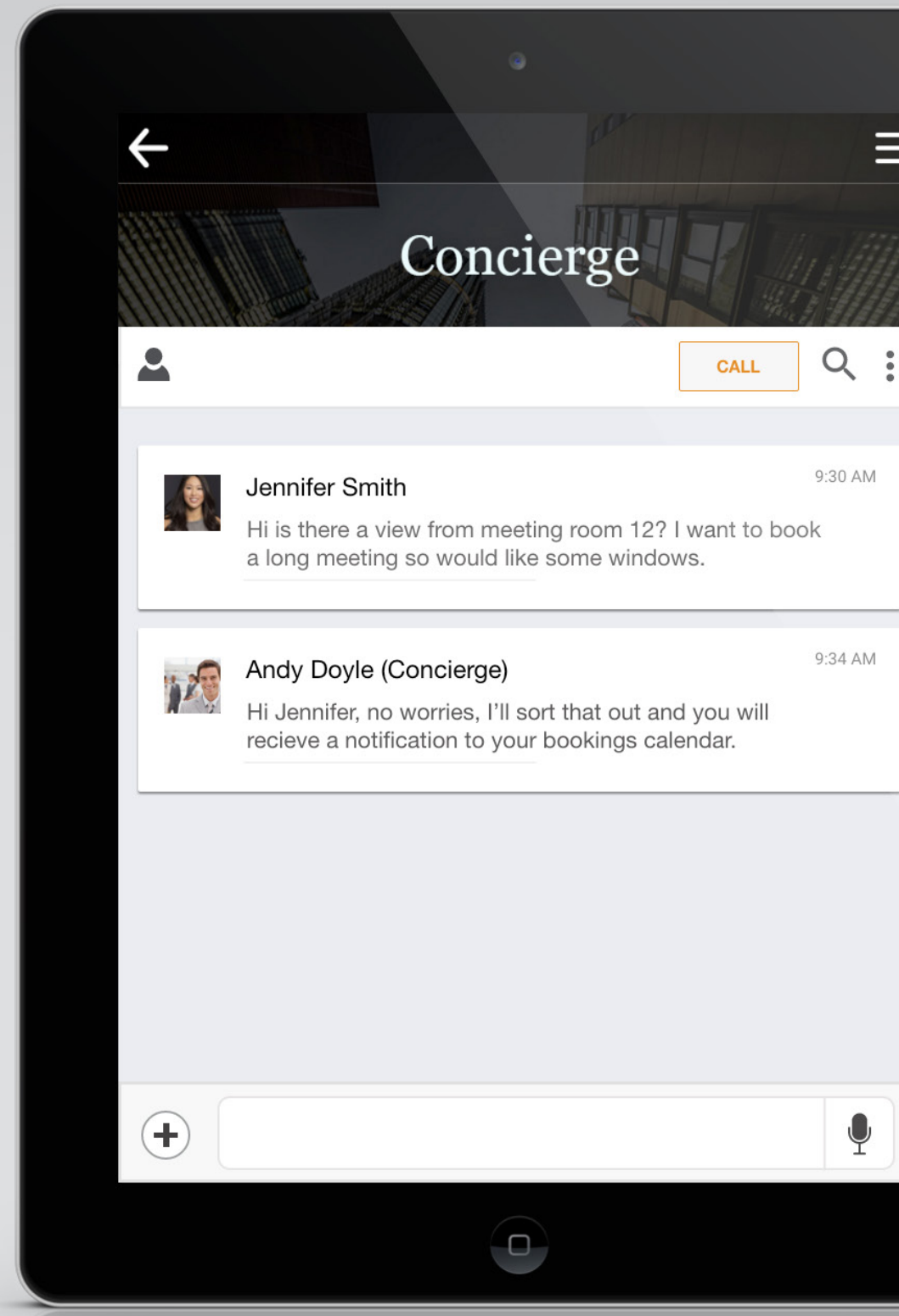
ORDER

Coffee and meetings go together. As our workplace management solution integrates with your corporate authentication, your staff can save their default catering preferences in their account and make one tap orders when booking the room or when in the room.

Furthermore, ACAEngine can manage simple catering menus with live alerts to the kitchen. Make orders from any of the digital touch-points: room booking panels, control panels, staff app or room booking page.

CHAT

The workplace app can integrate into Cisco Spark, Slack or any chat program with an API. This can be used to chat to reception, IT help or concierge. Furthermore, it provides an opportunity to automate requests with Chat Bots. A Chat Bot can suggest rooms or respond to simple requests such as "are there any free rooms right now on level 15?"



ANALYTICS

As the ACAEngine solution is completely web-standard we can connect to standard Analytics platforms such as Google Analytics, Microsoft Power BI and other analytics platforms.

This powerful data gives fresh insights into how staff interact with the solutions and can display information such as staff app usage, reporting on user flows, popular buttons and most used sources, all helping to continually improve the user experience.

ACA can also take analytics a step further with AI platforms such as IBM Watson predictive analytics. With ACAEngine and AI solutions like IBM Watson, predictions about future events can trigger actions based on analysis of data, making for a more autonomous and personalised solution for end users.

PWC
PRICEWATERHOUSE COOPERS

Staff/Building Web-App

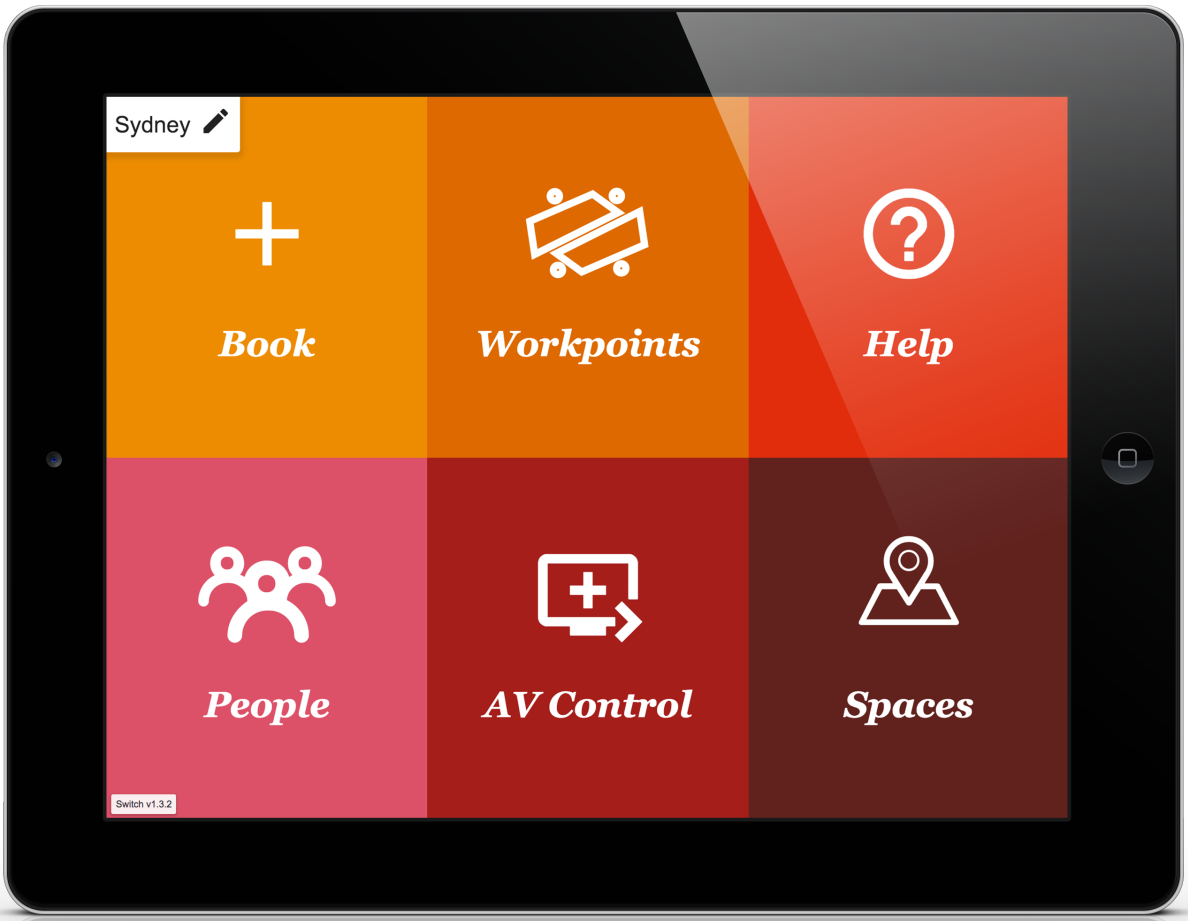
- Room booking/Finding/Control
- People tracking
- Desk finding
- Single sign-on with Google Auth
- Mobile, desktop and kiosk delivery

ACAEngine

- Control of all spaces in Brisbane, Sydney, Melbourne, Canberra and Parramatta
- Over 1000 meeting rooms from one central cloud-based deployment.

Digital Touch Points

- Digital Signage
- Room booking panels
- Way-finding kiosks
- In room touch panels.



Welcome
Find the right space
Collaborative
Group and individual work
Focus
Quiet work
Library
Silent work
In an Emergency dial xtn 9 or (03) 8603 0000
Workpoints
Spaces
People
11:12 AM
Filter
Level 13
Crown
Eureka
Yarra
You are here
MCG
Keys
Collaborative
Focus

RABOBANK

ACAEngine

- Room, Lighting, AV, IPTV and software control
- Integration into People Tracking Integration into Building Access
- Skype for Business Integration

CoTag Media

- Digital Signage
- Content on demand
- Room booking

A FEW MORE IDEAS

- Extend the solution into your carpark- technically it's just like managing hot desks and we can provide the ability to view the availability of each space.
- Smart lockers are increasingly playing a role in activity based working. ACA can integrate with locker controllers and provide a workplace app feature to search for an available locker. This is with the assumption that you are using a smart locker product that has open APIs.

RETURN ON INVESTMENT

An ACAEngine workplace management solution provides return on investment in three ways.

Utilisation
Data can be used to understand your workplace requirements in real-time. This can be used to scale up or down the number of workstations and meeting rooms so you are always at optimal utilisation.

Efficiency
By integrating workplace management with ACAEngine your building can be more responsive. Lighting, climate and audio visual can be triggered when it is needed and turned off when it is not. This improves the operational uptime (less time setting things up) and limits excess energy consumption.

User Experience
A single user experience across your rooms, workstations and floors creates an easy to use and easy to manage solution. As the solution is scalable you can have all your locations with the same user experience. This will reduce training requirements, support OpEx and user error.

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