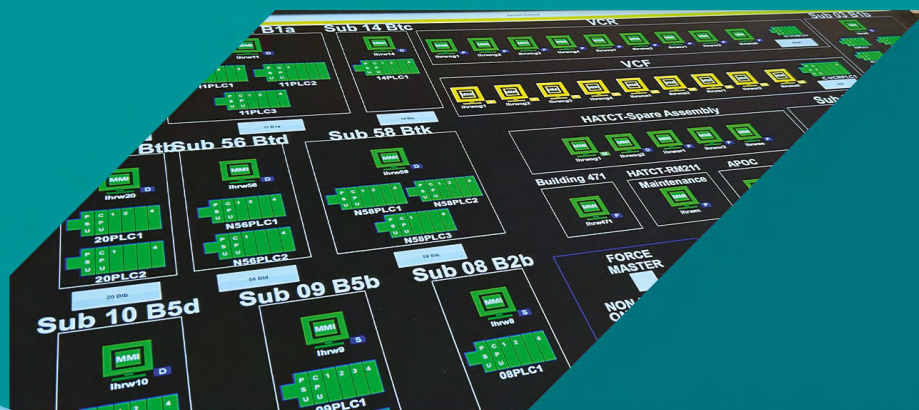


# SmartCloud

Cloud-Based Monitoring for a  
Smarter Airfield Operations

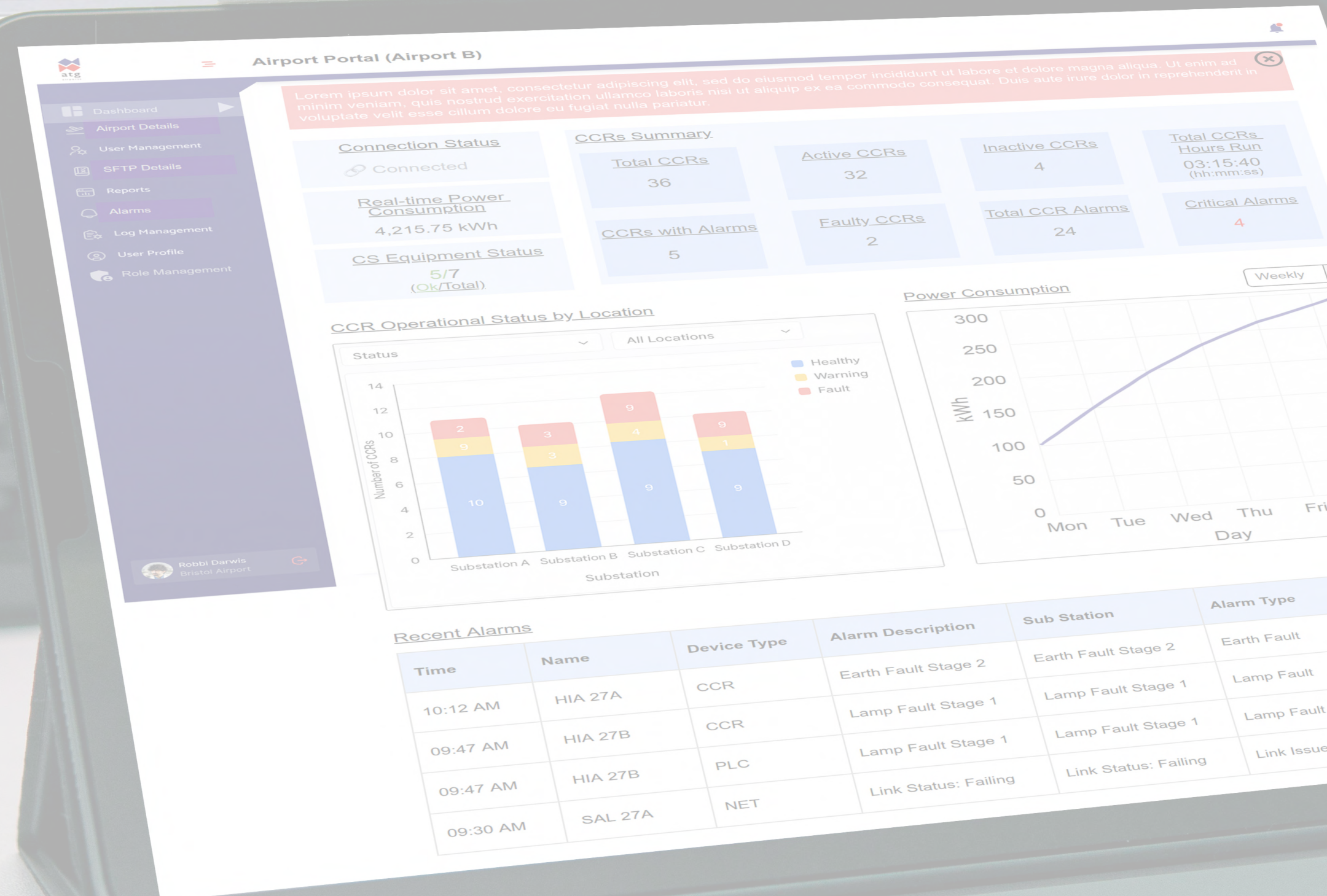




# SmartCloud

## Cloud-Based Monitoring for Smarter Airfield Operations

SmartCloud is an advanced, cloud-based monitoring platform purpose-built for Airfield Ground Lighting (AGL) systems. It provides airport operators with a smarter way to oversee lighting infrastructure, streamline maintenance routines, and maintain compliance with international airfield standards. By centralising real-time data from Constant Current Regulators (CCRs), field circuits, and AGL control systems, SmartCloud empowers teams to make faster, more informed decisions. It's designed for both major international airports and smaller regional hubs, providing the same high level of insight, reliability, and accessibility. Whether managing routine inspections or responding to unexpected faults, SmartCloud helps teams stay in control with ease and confidence.







## Data-Driven Decision Making

SmartCloud transforms operational data into actionable insight. It doesn't just collect information; it intelligently organises and prioritises it, ensuring that the right people see the right alerts at the right time. Users can configure the platform to support their specific maintenance strategy—whether that's a 30, 60, or 90-day cycle—and the system adapts to meet evolving operational demands. SmartCloud supports the different needs of technical staff, maintenance teams, and senior management. Historical data can be reviewed for trends and performance issues, making it easier to plan remedial work and justify investments. Every decision becomes faster, more accurate, and backed by reliable insight.

## Smarter Oversight, Seamless Access

SmartCloud delivers a clear, user-focused dashboard that allows users to monitor AGL systems remotely, from any internet-connected device. The intuitive interface presents real-time data from across the airfield—including CCRs, lighting circuits, and associated infrastructure—allowing maintenance and engineering teams to quickly identify irregularities and act decisively. The system is structured to reduce complexity, offering high-level summaries with the ability to drill down into granular asset detail as required. This streamlined access eliminates guesswork, enabling users to focus on solving issues rather than searching for them. With SmartCloud, oversight isn't just easier—it's smarter, more proactive, and always available.

RULE NAME	RULE PARAMETER	VALUE	ALARM TYPE	ACTIONS
Input Voltage	$\leq$	200V	Warning	Edit
Brightness Step	= (Equals to)	3	Normal	Save Reset
Output	$>$	4A	Critical	Edit
Load	$\geq$	15,000VA	Warning	Edit
Insulation Resistance (IR)	$\leq$	10MΩ	Warning	Edit
Lights Out	$>$	2	Critical	Edit
Protective Shutdown	=	OK/FAIL	Normal	Edit

## Stay Ahead with Automation

One of SmartCloud's greatest strengths is its ability to automate essential tasks, helping airports reduce workload and minimise the risk of human error. Exception-based alerts notify users the moment a fault is detected or an inspection is overdue, allowing teams to act before minor issues escalate. Reports can be scheduled to send automatically—daily, weekly, or monthly—without users having to log into the dashboard.



Select CCR

CCR Identification Number:

15L-33 RRWY CCR

Select Date:

02/02/2025

Airfield Details

Airport Name:

Circuit Number:

112

CCR Size:

20

KW

CCR Input:

240

VAC

CCR Output:

6.6

A

# One System. Complete Visibility

SmartCloud provides total visibility across all airfield ground lighting assets, from AGL fixture, stop bars to CCR performance and network integrity. Its combination of live data, historical reporting, and intelligent alerts offers a comprehensive toolkit for anyone responsible for airfield maintenance and operations. The system brings together technical insights and user-friendly access in a way that supports everyone—from ground crews and technicians to senior managers and auditors. By making the complex simple, SmartCloud reduces operational risk, improves planning accuracy, and helps extend the life of critical infrastructure. It’s a complete solution built for the evolving needs of modern airfields.

Alerts

View All

NOTIFICATION	DESCRIPTION	TIME	LEVEL
• Input Voltage high.	Input value $\geq$ 250v	2:04AM, 02/02/25	Warning
• Input Voltage high.	Input value $\geq$ 202v	4:45AM, 28/01/25	Warning
• Output Current high.	Output value $\geq$ 4.15A	8:45AM, 29/01/25	Critical
• Load Excessive.	Load value = 19,000	9:13AM, 29/01/25	Warning
Insulation Resistance low.	Resistance value $\leq$ 5M $\Omega$	11:08AM, 30/01/25	Critical
Insulation Resistance low.	Resistance value $\leq$ 5M $\Omega$	11:08AM, 31/01/25	Warning





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