

SMARTset REPORTS

PROVIDING INSIGHT AND ANALYTICS TO THE INBOX

SMARTset provides a rich reporting and distribution system so users can create any type of analytical and graphical visualisation.

The system includes useful reports that can be used out-of-the-box or as the basis for custom reports that are specifically targeted at data relevant to your application.

The rich reporting format contains graphical visualisations e.g. charts and graphs combined with pure data. SMARTset can also be expressed as a series of worksheets delivered via Excel.

Once a report is defined, it can be exercised and distributed through different channels – SMS, email, VFS etc. For example a daily report of power consumption, PUE and outside temperature can be constructed and delivered as a PDF to Operations Managers.

Reports can also be run interactively, direct from the browser where the output is sent to the screen.

SMARTset REPORTS FEATURES:

- Display report widgets on the dashboard for quick access to key information.
- Create your own reports with the report generator provided using your preferred mechanism.
- Distribute reports by email and SMS or by saving in a secure location.
- Schedule report generation and distribution for regular automatic updates.
- Export information in appropriate formats for further analysis.
- Edit/copy from any of the out-of-the-box reports.



DISPLAY REPORTS ON THE DASHBOARD

- Add report widgets to your dashboard for immediate access to key information, specifying the refresh time so the information displayed is always current.

CREATE YOUR OWN REPORTS

- Reports can be created or selected from the set of common reports and may be used as a template.
- Reports can be created using:
 - The Velocity template tool– providing reports in HTML/PDF/Excel format
 - The Python programming language – giving fine control over content and output format
 - SQL – producing SQL statements for execution against the database, extracting data to a specified location for further processing, analysis and archiving
- As environments can change quickly and unexpectedly, you can specify how frequently your reports are generated. This can extend from every minute for those displayed on screen to monthly to observe key trends over time.

DISTRIBUTING YOUR REPORTS

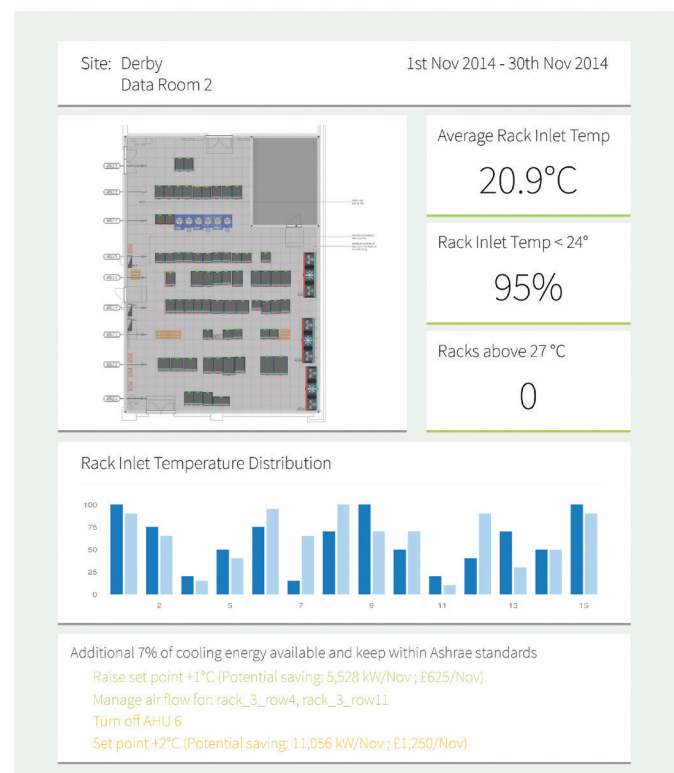
- Whatever the location, specified users have visibility of information displayed on the dashboard and can be sent reports by email or SMS with information shown in the body of the message, or as an attachment.

EXTRACTING DATA FOR FURTHER PROCESSING

- Using the report generator, information can be extracted from the database and saved in a specified format for further processing or analysis. For example, you may choose to export a series of readings in comma-separated format over a period of time enabling detailed analysis of changes and identification of potential problems.

Thermal Management

Detail the room temperature distribution and highlight the weakest spot and potential improvement toward efficiency.



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TECHNICAL DETAILS

You can generate reports using:

- The Python programming language
- Apache Velocity template language
- SQL – extracts data from the database
- Pivot Table - built-in drag 'n' drop analytics

Reports can be distributed by:

- Email
- SMS
- Saving to a specified location



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