CONTEG DATASHEET

TOTAL SOLUTIONS FOR DATA CENTERS

AEGIS Data Center Infrastructure Management (DCIM)

CONTEG, spol. s r.o.

Czech Republic Headquarters:

Na Vítězné pláni 1719/4
140 00 Prague 4

Tel.: +420 261 219 182
Fax: +420 261 219 192

Production plant in the Czech Republic:

K Silu 2179
393 01 Pelhřimov

Tel.: +420 565 300 300
Fax: +420 565 533 955

Local Branches/Offices

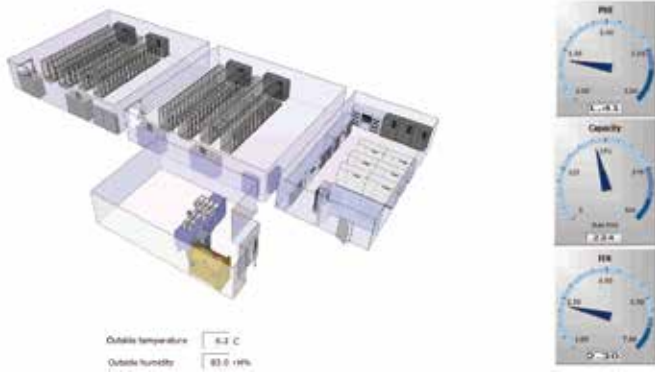|	
Austria:	+43 170 659 0115
Benelux:	+32 477 957 126
Eastern Europe / Nordics:	+49 172 8484 346
France, Maghreb:	+33 686 074 386
Germany / Switzerland / Baltics / Denmark / Italy:	+49 170 523 4958
India:	+91 99 1695 0773
Middle East:	+971 4445 2838
Russia, CIS:	+7 495 967 3840

conteg@conteg.com
www.conteg.com

Conteg has developed the Aegis DCIM system which collects, analyzes, and reports all the necessary information using standardized data communication protocols.

Data centers have changed considerably throughout the years; an evolution of information technology has resulted in data centers becoming the critical nerve center of today's enterprise. The efficiency of data centers has become an important topic in a global discussion among end-users, policy makers, technology providers, and facility architects.

DCIM has a real-time performance dashboard with metrics like PUE, EUE, EER, etc. DCIM monitors the status of the data center and reports defects/equipment malfunctions and temperature problems, like excessive humidity or temperatue levels. Aegis is not only a conventional DCIM, but it can also control the strategic equipment of data centers to improve PUE.

One of the important highly developed data center metrics used to measure overall efficiency is PUE (Power Usage Effectiveness) developed by The Green Grid™. PUE is equal to the total power used by the facility to support the IT load, for example cooling, UPS, and lighting divided by the total IT equipment power consumption. In general, PUE calculations, compared with manually gathered information, takes place on a monthly basis. Manual calculation is only useful for reporting. If you want to improve the operation of the data center, then the metrics should be based on real-time information.

Improving efficiency reduces the operational expenses (OPEX) of your data center, and helps make the facility compliant with current and developing governmental regulations, and immediately reduces your carbon footprint. Data center monitoring and control is a critical element for maintaining maximum availability of your critical operations. Conteg developed the Aegis DCIM system which collects, analyzes and reports all the necessary information using standardized data communication protocols. With DCIM, you have full control of your data center.

Aegis DCIM

Conteg's Aegis - Data Center Infrastructure Management (DCIM) is a complete monitoring application for managing data center infrastructure.
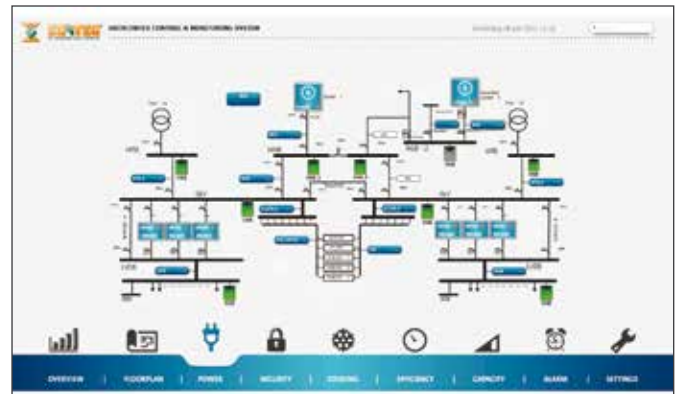
Data center efficiency

Conteg's Aegis (DCIM) system collects, analyzes, reports, and manages infrastructure equipment in real-time using standardized data communication protocols. Improving efficiency reduces the operational expenses (OPEX) of a data center, and will reduce the data center's carbon footprint. It also helps to make the facility compliant with current and future developing governmental regulations.

Integration to third-party applications

Conteg's Aegis DCIM is designed to operate with all types of devices, equipment and third-party software applications. Aegis DCIM supports communication with data bases, including SAP BAPI (Business Application Programming Interface), MS SQL server 2008, My SQL, Oracle, MS Access, ODBC, OLEDB and the data mining tool Grid Control, which enables OPC, SNMP. AEGIS DCIM is customized based on the individual needs of each client.

Scalable solutions:

The Conteg Aegis Infrastructure Management can be adapted to fit all scenarios. The solution has been tailored to suit three levels of projects: a Server Room version for projects of up to 10 cabinets/racks, an Enterprise Data Center version for projects of up to 32 cabinets/racks and a Global version that can meet the requirements for a data center project regardless of size or scale.

Technical information

- Useful computer room information: metrics like PUE, EUE, EER, etc. are shown on Aegis DCIM dashboard
- Alarm for defects/equipment malfunctions, temperature problems, like excessive humidity or temperature levels
- Monitoring and reporting of IT equipment's energy consumption at facility, row, rack or outlet level
- Monitoring of electrical breaker loads, based on actual and daily peak load values
- Capacity reports
- Local and remote accessibility via a standard web portal
- Data security on various levels