



Software Solution

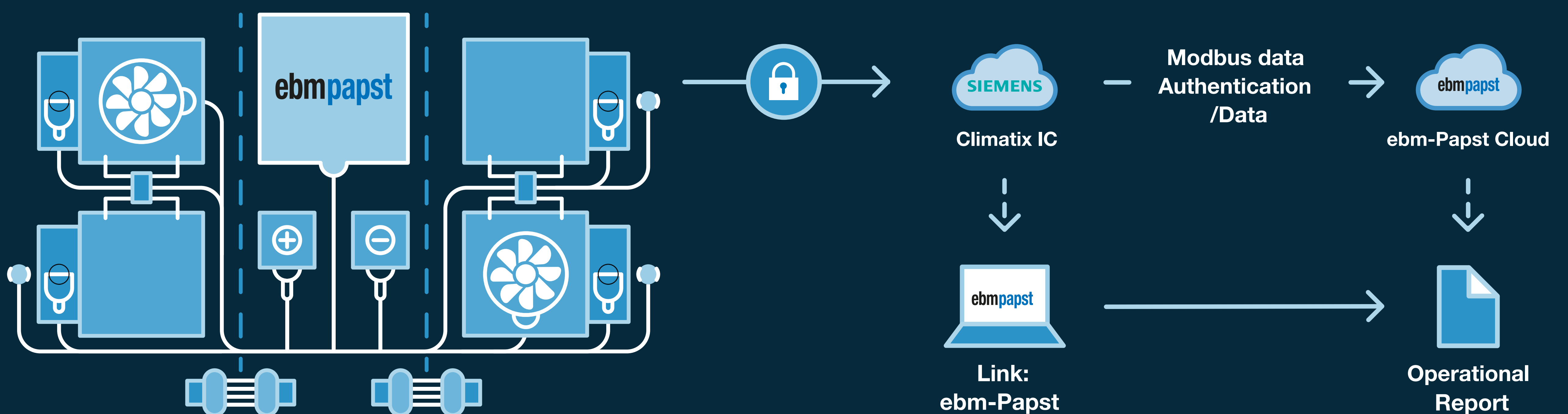
## OEM Solutions Computation Cloud

In cooperation with:

Regular monitoring of the system operation can prevent malfunctions of the air handling unit and system downtime due to component failures. Evaluation and analysis of recorded performance and running time of components can indicate abnormal functioning that potentially leads to failure well in advance. Two major HVAC equipment suppliers, SIEMENS and ebm-papst, join forces to offer fan analytics, helping to deliver your fans' optimum performance.

The ebm-papst Computation Cloud receives a constant stream of fan-data from the Siemens – Climatrix IC – cloud and due to the hyper-scalable architecture, it can apply real-time AI and ML algorithms on the data stream to derive information like

- + Calculation of the actual operating point of the fan
- + Filter Clogging detection
- + Heat Exchanger Icing detection
- + Optimization of Fan Grid Control strategy
- + Vibration Monitoring and Analysis
- + Anomaly Detection
- + Remaining Component Life
- + Efficiency analysis of the fan operation



### Digital Solutions captured your interest?



We are looking forward to getting in contact with *you*.

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» Cloud connected components provide an almost limitless stream of useful data which can provide real-time feedback about component operation, component condition and potential component failure «

Brendan Dow  
Sales Director of ebm-papst neo