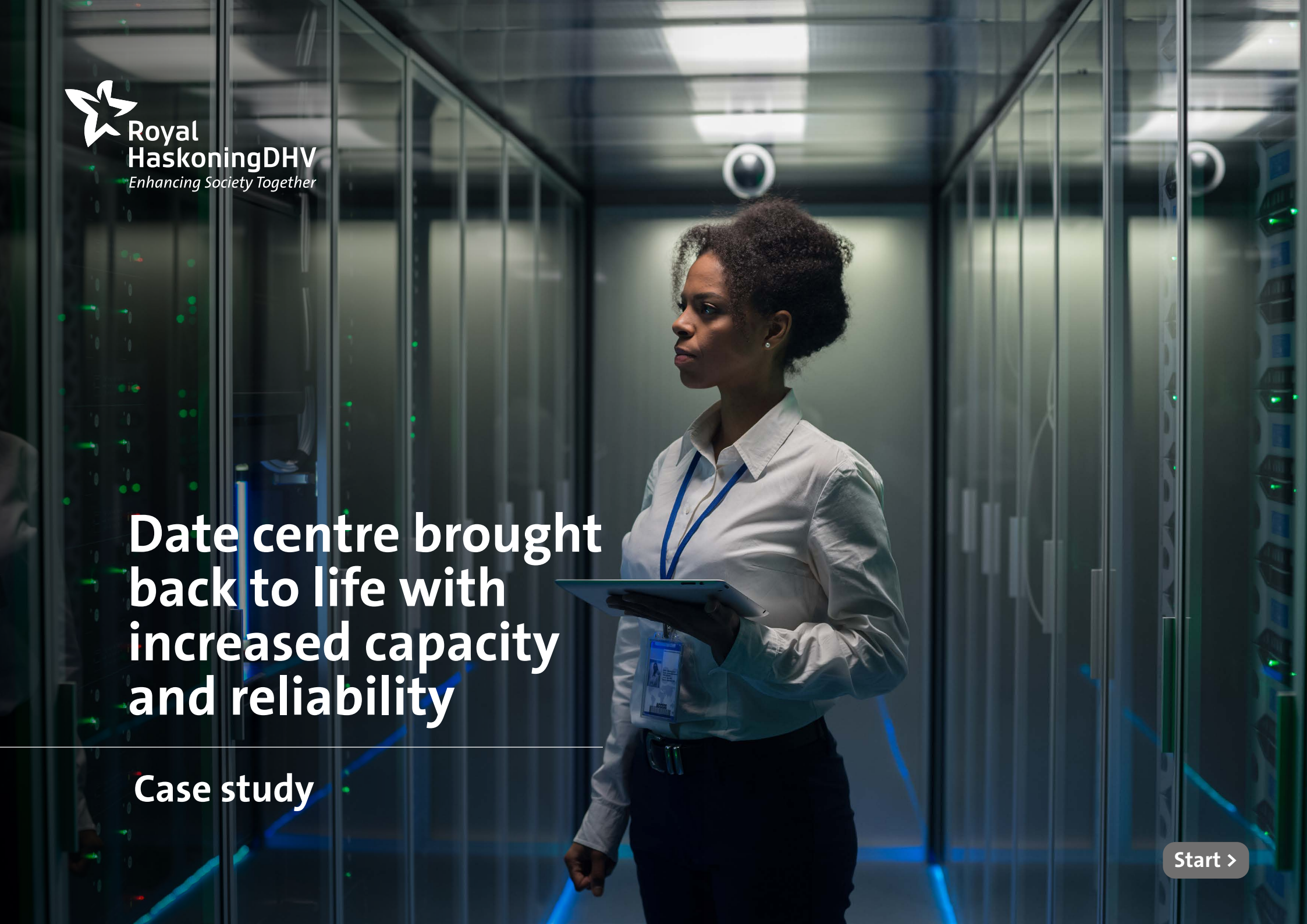
Royal
HaskoningDHV
Enhancing Society Together
Date centre brought back to life with increased capacity and reliability
Case study
Start >

A data centre dating from 2008 that had been out of operation for four years has been brought back to life in a project which also increased its capacity and reliability.

Following our client's purchase of the data centre, we were asked to bring it back into operation and refurbish the facility. Royal HaskoningDHV was responsible for upgrading the electrical, mechanical, structural and architectural engineering. We carried out testing and commissioning as well as project management.

The data centre had been completely switched off four years before, so our first activity was to power it up and test the electrical and mechanical equipment to investigate whether existing installations were functioning properly. This enabled us to identify where replacements and modifications were required.

Design increases capacity using existing equipment

To prepare the data centre for the market, we modified the electrical system from a 2N system into a Distributed Redundant system. Based on our calculations, our design enabled the system to be upgraded to increase capacity as well as reliability without the need for additional equipment.

"*For a data centre of this size to have been switched off for so long is unusual,*" said Marco Wenzkowski, Brownfield Mission Critical Facilities Director at Royal HaskoningDHV. "*The process of bringing it back to life was made more complicated by the absence of accurate information and documentation. Our long experience in such environments was vital for the success of the project.*"

Project structure cuts time required by 50%

Another special feature of the project was its speed. We organised multiple mini-projects in which the design and execution phases ran almost in parallel, overseen by our on-site team to ensure there were no clashes. The result was a 50% reduction in the time needed. The data centre is now back in operation and a further expansion in prospect.

Would you like to discuss your ideas? Please get in touch with:

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