

# Bornholm Hospital



SpeechMagic certainly takes the  
uncertainty out of holidays

Centricity<sup>®</sup> powered by  
SpeechMagic<sup>™</sup>  
Easy to use and quick results



# Customer Story

The Danish island of Bornholm gets several hundred thousand tourists a year, with the season peaking during the summer. To cope with the sudden increase in medical consultations, the island's hospital uses SpeechMagic for the timely creation of diagnostic reports. Tourists and, of course, the island population now receive their exam results three times faster than before; leaving them certain about their health status and helping them to enjoy a carefree vacation.

"Go for it," says Bornholm Hospital's system administrator Charlotte Graungaard Bech, highlighting that the unique scalability of SpeechMagic supports healthcare installations of all sizes – from small departments to large hospital-wide networks.



Just go for it! It's not difficult to use at all and the results will show quickly.  
Charlotte Graungaard Bech System Administrator

## *How long has Bornholms Hospital used SpeechMagic?*

We introduced Centricity powered by SpeechMagic more than two years ago and it works extremely well at our hospital. Our radiologists perform approximately 27,000 exams per year and both the speech recognition system and the RIS have been working with absolutely no problems.

## *Has this industrial grade speech recognition platform proven to be the right fit for a small hospital?*

Our hospital is situated in the island's main town, Rønne, and we are a basic hospital with 150 beds and many specialties. When we were looking for a new radiology information system (RIS) to support our radiologists, we found that GE's Centricity RISi best met our demands. SpeechMagic came as part of the package and was one of the reasons why we opted for Centricity. I'm aware that SpeechMagic is an industrial grade technology that will also work in large hospital networks but I can assure you that it's great for a smaller installation, as well.



## *Centricity® RIS/PACS Postprocessing with SpeechMagic™*

GE Centricity RIS/PACS/Speech recognition integrated solution drives and optimises the complete radiology workflow from order entry to image report and distribution, thanks to highly performant and advanced functionalities which are perfectly adapted to all users needs:

- Ultra-fast image storage and display
- Far beyond 3D: advanced dedicated clinical applications for image post-processing like virtual colonography, advanced vessel analysis, CAD and much more Voice commands for faster reporting
- Always free choice between digital dictation, offline recognition and online recognition
- Intuitive and highly customisable user interface for easy and effective daily use
- Online monitoring of performance via business dashboards to optimise workflow and reduce waiting times
- True Enterprise PACS for radiology, cardiology and any other type of images

## *What has changed in the report creation process?*

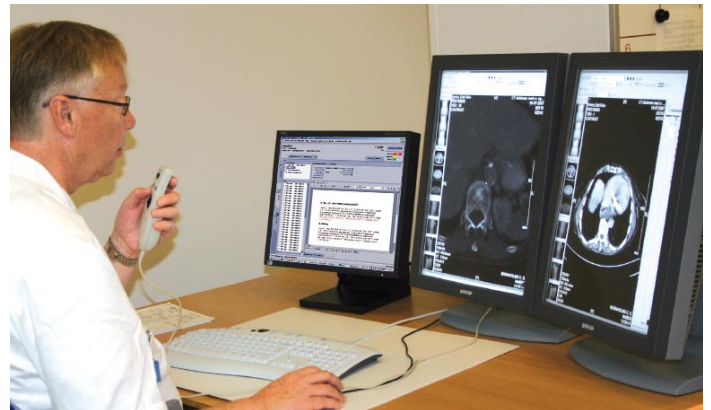
We reallocated our resources right from the start because we decided to work with frontend speech recognition. When we didn't have speech recognition, a radiologist would dictate his or her reports and a transcriptionist would type it up. Now transcriptionists can take on other tasks, as the radiologists take control over the whole report creation process. They dictate their reports using a Philips SpeechMike, correct the recognised texts and finalise their own reports.

## *Has the turnaround time for reports improved?*

Patients and referring physicians receive their reports much faster after an exam. Without digital dictation and speech recognition, a report would typically be finalised after three or four days. Today, patients usually get the results on the day after the exam. In urgent cases, they will receive the report right after the exam. We are now using our resources in another way – for the benefit of the patient.

## *How long does it take for new physicians to get used to the system?*

When our contact person at GE said that the Initial Training would take no more than half an hour I found that hard to believe but it turned out to be true. Whenever we have a new doctor coming to work with us permanently, my assistant or I will give them a half-hour training with the system. New words will then be added over the next few weeks in order to create a personal profile.



Frontend speech recognition in radiology has tripled the speed of report creation. (Courtesy of Bornholms Hospital, Rønne)

## *What is your recommendation for other hospitals looking at speech recognition?*

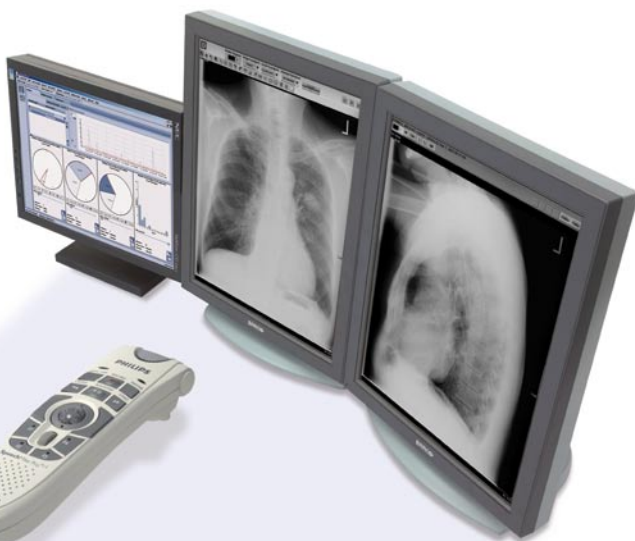
Just go for it! It's not difficult to use at all and the results will show quickly.

### *SpeechMagic™ direct integration in Centricity®*

SpeechMagic is seamlessly embedded in Centricity RIS, allowing healthcare organisations to take full advantage of Philips' innovative document creation solutions. Centricity powered by SpeechMagic boosts a hospital's productivity by making information available instantly and accurately throughout all institutions and beyond.

### *Benefits and results*

- Faster report turnaround time: from 3–4 days to same-day delivery
- Faster report delivery to referring physicians, allowing earlier treatment and optimal handling of emergency patients.
- Faster report delivery to patients, noticeably reducing their waiting time and comfort
- Reduced administration costs through the use of network-based, frontend speech recognition.
- Overall improved patient care



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GE imagination at work

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