

SPEECH RECOGNITION

Soliton IT is a leading provider of speech recognition, digital dictation and workflow management systems for healthcare organisations. We are a Nuance Healthcare Solutions Partner and a Philips Master Digital Centre with offices in the UK and Australia.

Soliton IT systems are designed and built within the UK, providing state of the art speech processing and workflow management solutions for Radiology, Pathology and Clinics, in addition to hospital wide solutions. Training and expert support services are included.

We can speech-enable legacy systems and provide fully integrated solutions tailored to individual requirements. Soliton systems improve workflow, reduce report turnaround time and provide a better and more efficient reporting service, saving both time and money.



Soliton systems are well proven, with Speech Recognition systems installed at more than 40 hospitals across the UK, integrated with systems from:

Agfa
Ascribe
Aspyra
Carestream
Cerner
GE
HSS
iSoft
Meditech
Misys
Philips
Sectra
Siemens



PRODUCTS

Designed for integrated use, hospital-wide, in Radiology, Pathology and Clinics:

- Workflow Manager™
- Speech Console™
- Soliton IT Digital Dictation™

CUSTOMER RECOGNITION



'We chose the Soliton system . . . based on the interface between the HSS RIS and our Agfa PACS'

Lynne Gathercole

Radiology IT Systems Manager
Leeds Teaching Hospitals
NHS Trust



LEEDS TEACHING HOSPITALS

Leeds Teaching Hospitals NHS Trust has installed Soliton's **Speech Console™** application in all radiology departments across five locations within the Trust. Deployed on 120 PACS workstations, Speech Console™ integrates closely with the existing Trust RIS (HSS) and PACS (Agfa).

Soliton's unique command control functionality provides user friendly reporting and enhanced workflow with the benefit of real-time voice recognition from SpeechMagiC.

'We chose the system based on its user friendliness and the interface between the Soliton system, the HSS RIS and our Agfa PACS system. It has gone down really well.'

'Our average turnaround time from the examination being performed to actually being verified and available has dropped from 5.5 days to 2.1 days. The reports are available in a little over two days on average and as soon as they are verified they go to the results server and onto the PACS system.'

'Productivity is obviously up so we are now reporting a larger percentage of our examinations than we were before and it has freed up secretarial time to do other functions that perhaps they didn't have the time to do before.'

ROYAL FREE HOSPITAL

The Radiology Department of the Royal Free Hampstead NHS Trust, London, uses Soliton's **Workflow Manager™** to provide workflow, speech recognition and digital dictation - a fully integrated reporting solution for their RIS (iSoft) and PACS (Philips/Sectra). The Royal Free Hampstead NHS Trust has around 900 beds and sees about 700,000 patients a year from all over the world.

NAMBOUR HOSPITAL, QUEENSLAND, AUSTRALIA

By using Soliton's **Workflow Manager™**, the 340 bed Nambour Hospital in Queensland, Australia, has reduced turnaround time for radiology reports from 33 to 5 hours - a drop of 85%.

'The system is working fantastically well; the features of the system and the improved integration is making everyone's life so much easier'

David Ward, Director, Medical Imaging, Nambour Hospital

ABERDEEN ROYAL INFIRMARY

'We were completely surprised by the lack of difficulties with the implementation and acceptance of our new speech recognition system. The technology has reached the level which allows doctors the full responsibility of report creation.'

Dr. Olive Robb, Consultant Radiologist, Aberdeen Royal Infirmary

'The recognised text is the final report, because the Soliton system is so accurate. . .'

Melanie Hiorns

Consultant Radiologist and
Chair of Radiology
Great Ormond Street Hospital for Children
NHS Trust



GREAT ORMOND STREET

Great Ormond Street Hospital for Children NHS Trust (GOSH) in London is using Soliton **Workflow Manager™** for real-time speech recognition, digital dictation and workflow for radiology. It provides robust and reliable integration with RIS and PACS which, together with accurate speech recognition and flexible worklists, has increased productivity for plain film x-ray reporting by more than 40%.

'I talk freely. I've got in my head what I want to say. I know what the message is; I know what the conclusion is; I say the whole lot, put the microphone down and then I'll have a look and see if it's got it right. If there are any corrections, I'll do them immediately.'

'The recognised text is the final report, because the Soliton system is so accurate. More than half of the reports need no correction at all, it's got it word-perfect. I'll press 'authorise' and the report is gone. Totally finished. I never have to revisit it again.'

'Everything we hoped would be delivered has been delivered . . .'

Jim Weir

Radiology Manager
Kingston Hospital NHS Trust



KINGSTON HOSPITAL

Kingston Hospital NHS Trust recently went live with Soliton's **Workflow Manager™**, fully integrated with the Trust's Sectra PACS and iSoft RIS. Soliton's workflow management software provides user friendly reporting with fully integrated speech recognition (VR).

Kingston Hospital is a 650 bed district general hospital. The Radiology Department carries out around 175,000 exams a year, across all modalities.

Soliton also provides digital dictation for the Pathology Department at Kingston Hospital. **Speech Console™** provides digital dictation and speech to text at the cursor position for document creation.

'Because of the constraints of the project, - it had to go from inception to delivery within six months - we were looking for a company that we had confidence in and that had experience of a proven integration with radiology systems and could work with pathology systems. That's one of the major reasons why we chose Soliton.'

'Our main drive was on service deliverables and an improvement to the service, which there definitely has been. There's more accuracy, more visibility and the reporting statistics are more accurate. I would recommend the system and I would recommend Soliton.'

Philip Robinson

Consultant Radiologist
Leeds Teaching Hospitals

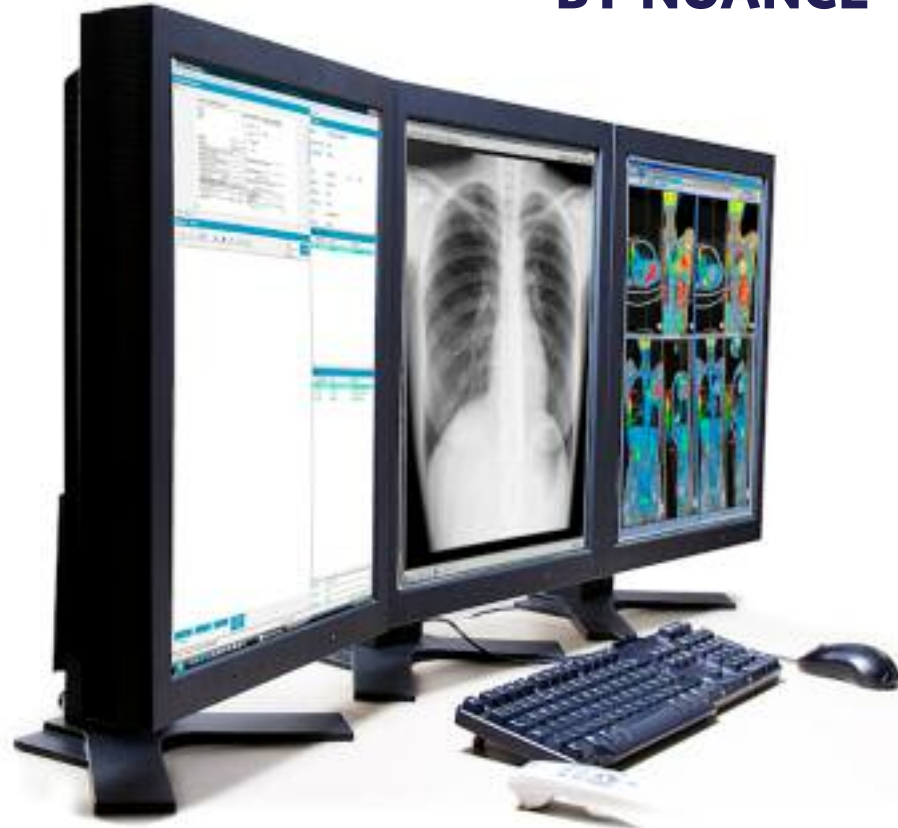




RECOGNISING ADVANTAGES

Soliton speech processing systems provide extremely accurate voice recognition and improved workflow for radiology, pathology and clinics. They integrate efficiently and are highly user-friendly with intuitive interfaces. Benefits to both clinical staff and hospital management include same day reporting and less transcription with efficient workflow management and improved management reporting.

RECOGNITION BY NUANCE



Royal Free Hospital, London



Soliton IT was chosen by Nuance to receive their 'N-Spirit' award for 'Technical achievement, innovation and professionalism':

Cost-saving and productivity gains are the main advocates for speech recognition technology; however its potential implication on the quality of care and patient safety shouldn't be ignored. Doctors are provided with more accurate and reliable information, which helps raise the quality of care and improve patient service. Therefore, it has become common sense that speech-enabling healthcare systems at large-scale is a top priority. Our partners help turn this vision into reality - each and every day through dedication, innovation and quality service.

We chose Soliton IT for this award because we feel that they capture the essence of the values that Nuance represents in the healthcare market in providing products and service of the highest quality that contribute to improving patient care. Their innovative use and delivery of our SpeechMagic technology within their Workflow Manager and other products helps to make better use of clinicians' valuable time, whilst reducing the report turnaround times to a minimum.

Marcel Wassink, Vice President, Nuance Healthcare Europe

Soliton IT is a Philips Master Digital Centre and a Nuance Healthcare Solutions Partner. **Speech Console** and **Workflow Manager** are Soliton IT copyright © products.



Integrating speech to give you the recognition you deserve

Speech Recognition

Digital Dictation

Integration

Workflow



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