

PHILIPS

Cardiologs

Accelerating cardiac diagnostics and enhancing interoperability

Philips Cardiologs with IntelliBridge - Case study



The “Groupelement des Hôpitaux de l’Institut Catholique de Lille” (GHICL)

The GHICL in France is a private university hospital group that operates in Lille region, in the north of France. It is made up of 8 facilities including the Hôpital Saint Philibert in Lomme and the Hôpital Saint Vincent in Lille for cardiology activities. Saint Philibert hospital ranks 7th in France in terms of interventional electrophysiology activity.¹



25

Cardiologists

9

Electrophysiologists

1300

Holters/year

Context

The activity in hospital EP units is growing¹. This growth occurs in a context where most healthcare professionals (HCPs), whether they are physicians or allied health professionals, are already experiencing severe fatigue. Administrative overload is one of the primary driver of this exhaustion.²

At the same time, patients waiting times for cardiology appointments increased by 3 weeks between 2019 and 2023.³

Cardiology departments need innovative solutions to cope with growing activity and to reduce the administrative burden.

7%

**Annual growth
EP units activity¹**

96%

**HCPs experiencing
extreme fatigue²**

2.5

**Months wait for a
cardiology appointment³**

Impact of Cardiologs Holter Platform and Integration on the GHICL practice

Pain points before using Cardiologs

Logistic constraints causing delays & irritation

Holters analyzed on a shared Holter workstation installed on premise and located in a different floor.

Time-consuming analysis

Repetitive tasks resulting in patients waiting for their Holter results.

Manual integration of data

Nurses had to manually input patient identifiers when uploading recordings. Secretaries manually integrated reports into the EMR.

Time consuming data sharing

Neurology and geriatric departments had to bring the Holter recorders to the cardiology department for upload.

Outcomes after using Cardiologs

Access from anywhere, anytime

All EPs can read Holters simultaneously whenever they have a free moment, between consultations or during on-call shifts.

AI-assisted analysis

Interpretation and reporting done by experienced EPs in **3 minutes on average**.

Automated integration of data

Nurses simply scan the patient's ID barcode and the patient identifiers are filled in. Reports are automatically sent to the EMR.

Digital data sharing

Each hospital department manages its own devices and uploads its recordings, which are automatically accessible to cardiologists for analysis.

**More efficient analysis has freed up the equivalent of 1 month/year of cardiologists' time.
Automated data integration has freed up the equivalent of 1 month/year of nurses' and secretaries' time.⁴**

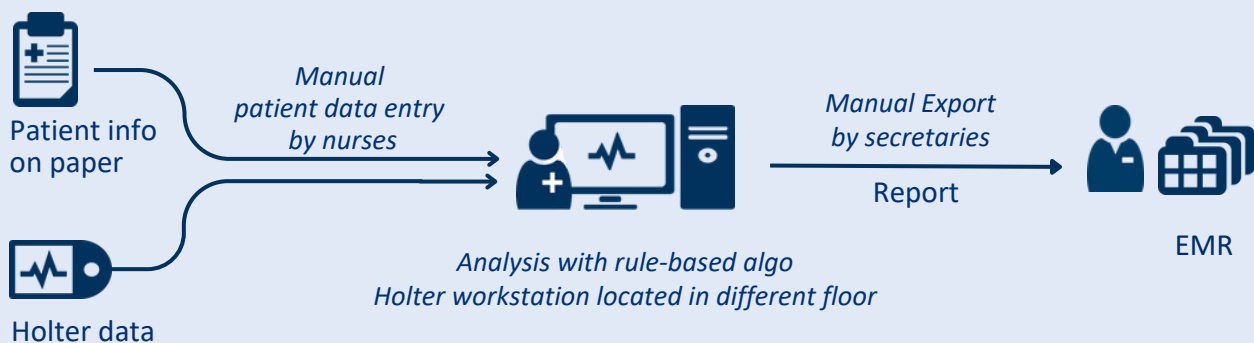
Using Cardiologs to automate tasks

” There's no comparison between how we worked before and after implementing Philips Cardiologs with IntelliBridge. It has dramatically improved interpretation speed through AI and streamlined interoperability through automated data integration. **This saves valuable time for the medical team, as well as for the nurses and secretaries.** ”

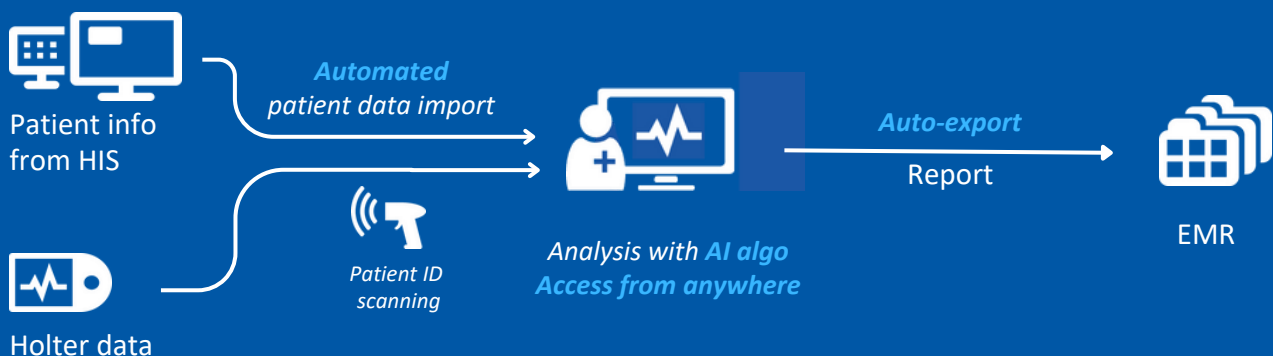
Dr. Aymeric Menet

Cardiac Electrophysiologist at Saint Philibert Hospital

Initial Workflow before Philips Cardiologs implementation



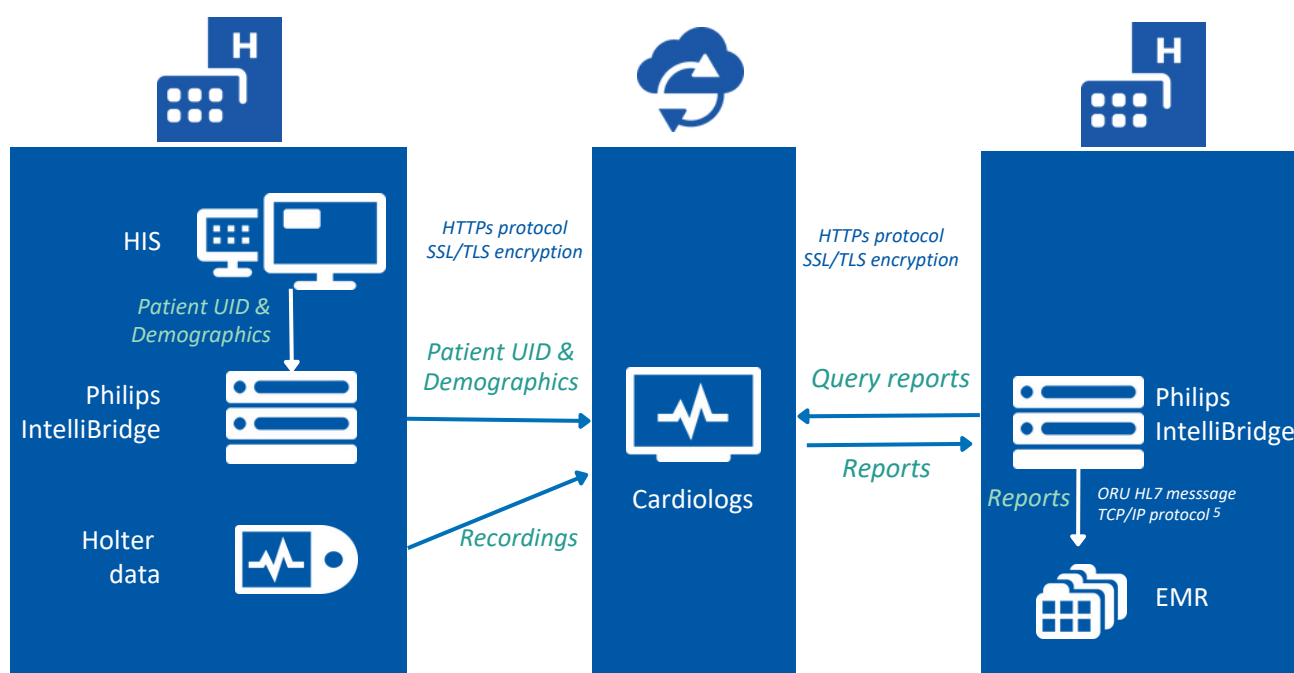
Workflow after Philips Cardiologs with IntelliBridge



Simplified IT implementation

At the time of the Philips Cardiologs integration at GHICL, the Philips integration team had already worked on site on other integrations and implemented Philips' interoperability solution, IntelliBridge Enterprise (IBE). Using the existing infrastructure and knowledge of GHICL information systems simplified the project, which only required a few alignment meetings and a validation test.

GHICL's IT department was able to deal with a single partner, Philips, which provided both the clinical system and an interoperability solution, simplifying communication and synchronisation.



References

1. [White paper](#) of the French National College of Hospital Cardiologists (CNCH) - 2022
2. HCPs mental load in France - Posos Lifem [Survey](#) - 2023
3. Access to care in France - Ipsos [survey](#) - 2024
4. Based on analysis of cumulated time savings for Holter recording analysis and data integration at GHICL.
5. IntelliBridge communications can use different protocols (TCP/IP, FTP, MLLP, SFTP or Shared Folder) depending on the hospital preferences

Medical Device

The Cardiologs Holter Platform is a medical device intended for use by qualified healthcare professionals for the assessment of arrhythmias using ECG data. It is CE marked and cleared by the FDA under 510(k).

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