



# BTL CARDIOPPOINT-NET





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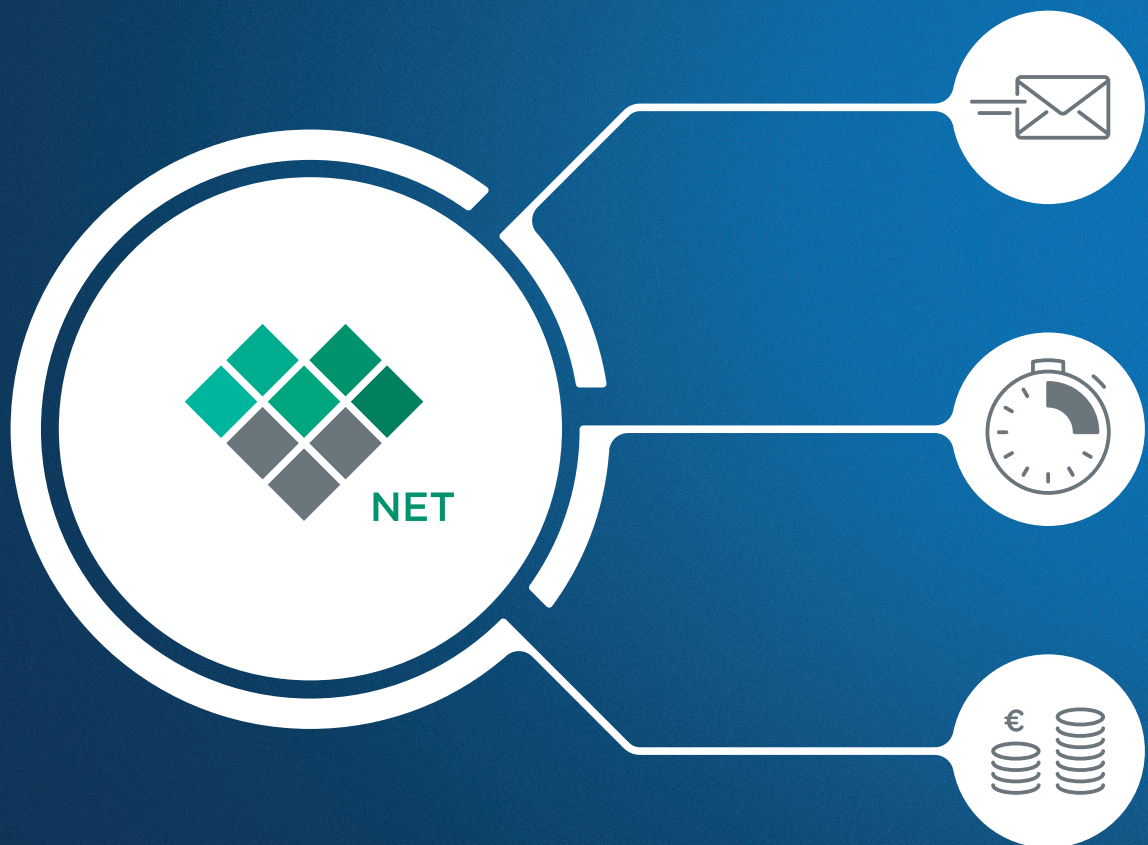


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# BTL CARDIPOINT-NET

Improving the **quality** of care provided, increasing the **productivity** of medical staff and reducing the **costs** are current trends in healthcare. The BTL CardioPoint-NET positively influences all 3 parameters at the same time.

The versatility of the product offers a solution for small **outpatient medical facilities** as well as for larger **clinics and hospitals** that require a tool for quick and efficient management of patient and examination information.



## INSTANT INFORMATION ACCESS

Complete patient information is available from any place within the medical facility. It is possible to create a stand-alone cardiology information system using the BTL CardioPoint-NET as well as to integrate it into an existing medical information system.

## SAVING TIME

Electronic medical documentation management contributes to doctors and nurses saving significant amounts of time. It helps to eliminate a number of duplicate examinations thanks to a single patient database.

## COST REDUCTION

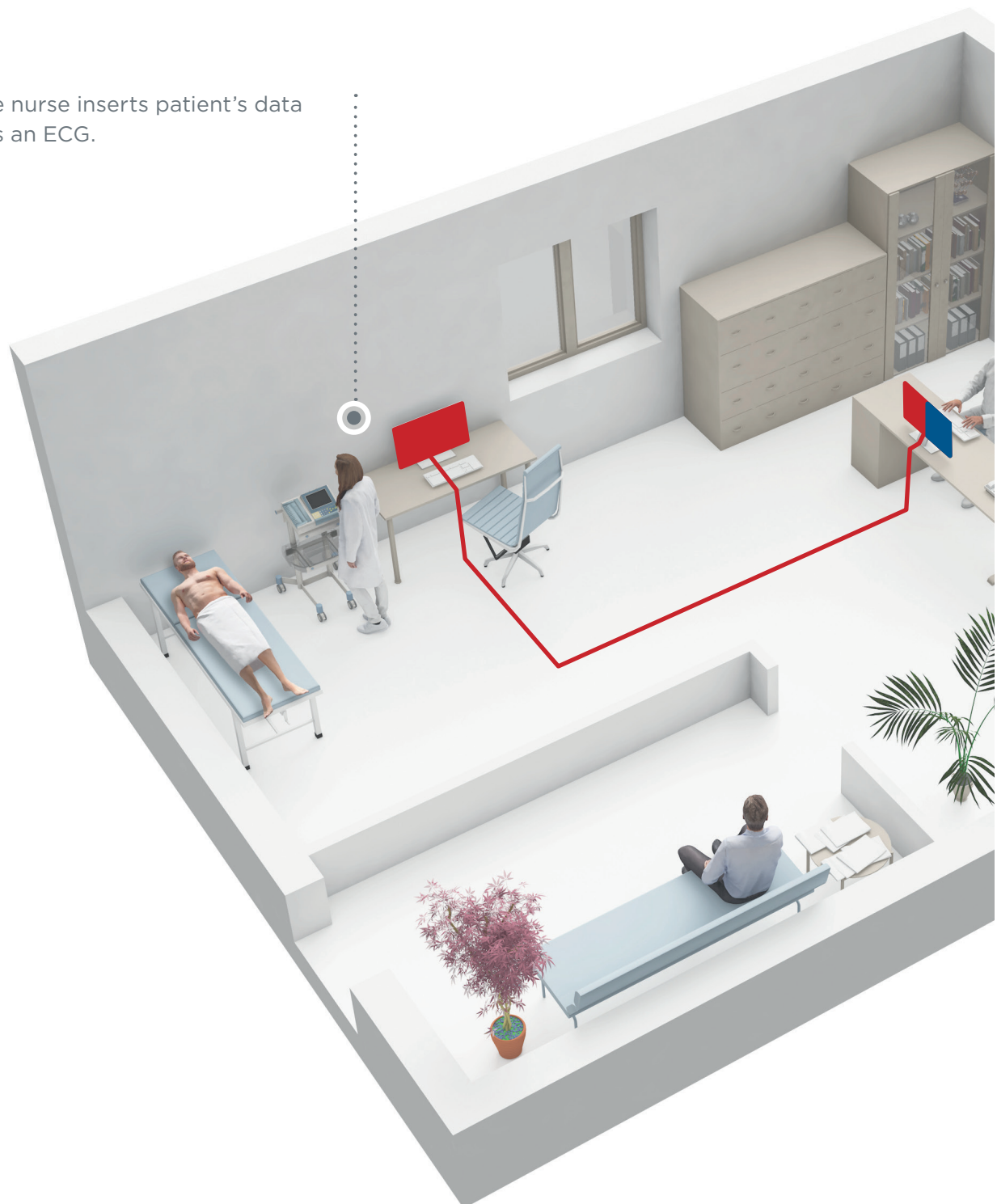
The BTL CardioPoint-NET enables saving printing and archiving costs using a digital solution for administration of electronic documents and records. The total savings can reach approximately thousands of euros per year.

# SOLUTION FOR MEDICAL OFFICE

## BTL CardioPoint-NEToffice

The BTL CardioPoint-NEToffice supports **communication** with commonly used **medical practice management software**. By integrating the BTL CardioPoint into ambulatory software, **cardiovascular examinations** can become a natural **part of every outpatient practice**.

**1<sup>st</sup> step:** The nurse inserts patient's data and records an ECG.



## SIMPLIFYING MEDICAL AGENDA

The BTL CardioPoint-NEToffice facilitates full BTL CardioPoint software integration into ambulatory software, thereby enabling it to be extended by cardiology applications. The NEToffice solution eliminates the time spent to copy patient data and results from one software to another.

**2<sup>nd</sup> step:** The doctor evaluates the ECG and the results are saved in patient's medical record.



## COMPLETE EXAMINATION HISTORY

The examination results including the attached report are automatically transferred directly to patient's medical record in the ambulatory software, where they also remain available at any time in the future.

## MODERN WORKPLACE

The BTL CardioPoint is installed in a network of two computers - the nurse's and the doctor's computer. Such a solution brings higher medical practice efficiency.

- BTL CardioPoint
- Medical practice management software

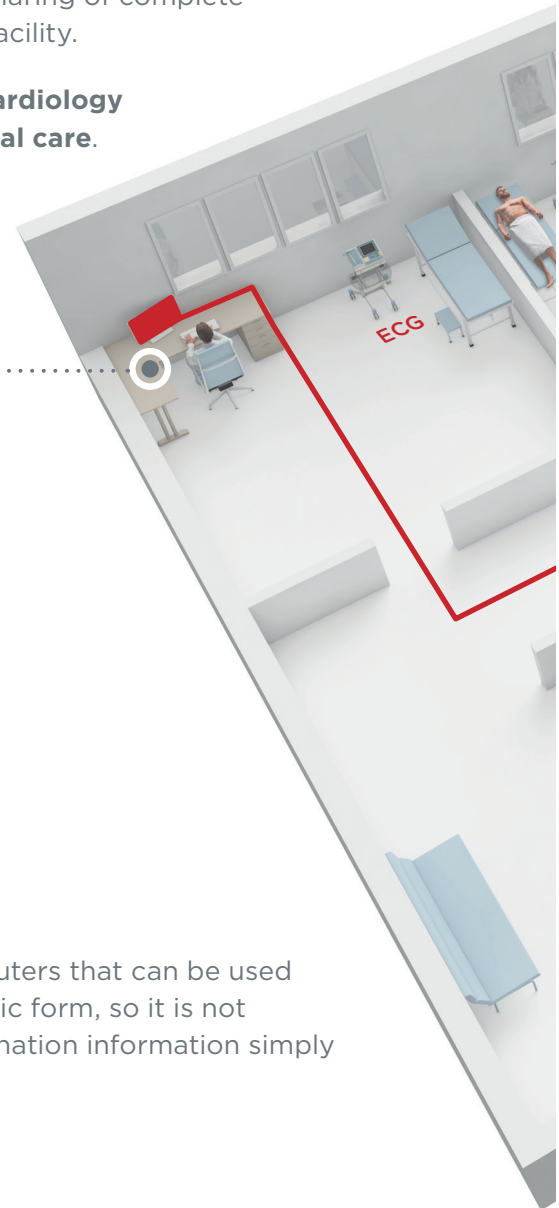
# SOLUTION FOR CLINICS

## BTL CardioPoint-NETclinic

The BTL CardioPoint-NETclinic is a solution that brings easy **interconnection of individual computers with the BTL CardioPoint**. The **network** enables sharing of complete cardiology records including patient data within the medical facility.

The BTL CardioPoint-NETclinic finds its place in **specialised cardiology clinics**, as well as in clinical facilities providing **complex medical care**.

**1<sup>st</sup> step:** The nurse inserts patient's data and records an ECG.



## PAPERLESS SOLUTION

The BTL CardioPoint can be installed on any number of computers that can be used to create a network. All diagnostic data is saved in an electronic form, so it is not necessary to print it or archive it physically. Patient and examination information simply remain accessible anytime in the future.

## CLINICAL PROCESSES OPTIMISATION

The BTL CardioPoint-NETclinic makes the cardiovascular examination process quicker and automated. From inserting patient data through uploading the record to evaluation by another doctor anywhere within the clinic.





**3<sup>rd</sup> step:** Electronic archive of examination results.

**2<sup>nd</sup> step:** The doctor evaluates the ECG.

- BTL CardioPoint
- BTL CardioPoint-NETclinic

## ARCHIVING MEDICAL REPORTS

The examination results together with the medical conclusion can be also sent to clinical information systems (CIS) and archiving systems (PACS).

# SOLUTION FOR HOSPITALS

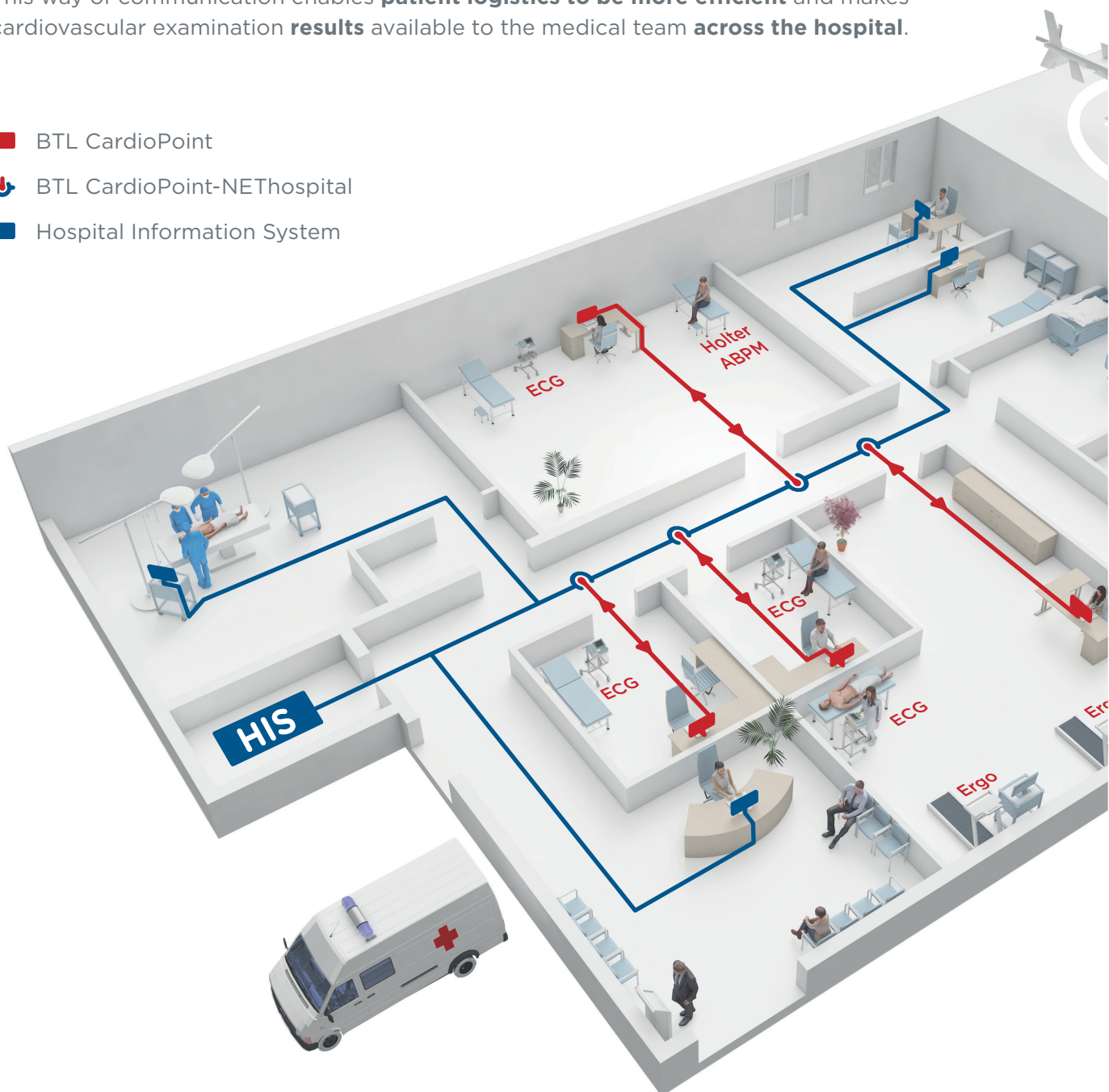
## BTL CardioPoint-NETHospital

The BTL CardioPoint-NETHospital ensures **easy access to cardiovascular examinations** in large medical facilities providing healthcare for several hundreds of patients every day.

It facilitates **communication between the BTL CardioPoint system and the hospital information system (HIS)** using the world most broadly available **HL7 communication standard**.

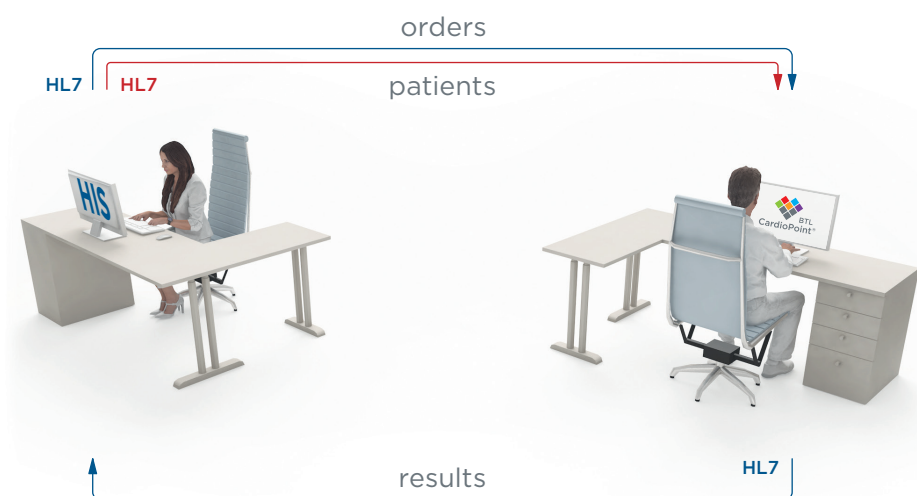
This way of communication enables **patient logistics to be more efficient** and makes cardiovascular examination **results** available to the medical team **across the hospital**.

- BTL CardioPoint
- BTL CardioPoint-NETHospital
- Hospital Information System



## SIMPLIFYING ADMINISTRATION

Directly in the BTL CardioPoint, the doctors have access to a current list of patients and to an overview of examinations orders. The results are then automatically assigned to the patient's medical record in HIS. Based on this information other doctors can decide on further treatment.



## ELECTRONIC DOCUMENTATION

The NEThospital ensures electronic order delivery, examination results sharing and patient data updating across the systems. Using the HIS, doctors can request examinations from the specialists working with the BTL CardioPoint.

## 80% COST REDUCTION

Electronic documentation reduces the need for printing in routine situations.



# PRODUCT SPECIFICATIONS

It is possible to combine individual properties of the BTL CardioPoint-NET solution so that they meet specific needs of the medical facility.

## LISTS OF ABBREVIATIONS

GDT	(Gerätedatentransfer) is a standard defining rules for communication and data exchange between medical software applications, typically in smaller outpatient medical facilities.
HL7	(Health Level-7) is a standard defining rules for communication and data exchange between medical software applications, typically in middle-sized and large medical facilities.
DICOM	(Digital Imaging and Communications in Medicine) is a standard defining rules for storing and transmitting medical images in various medical facilities.
HIS	(Hospital Information System) is a medical software application that covers clinical, financial and operational aspects of hospital care.
PACS	(Picture Archiving and Communication System) is a healthcare technology for storage, management and distribution of medical images in DICOM format.
EHR	(Electronic Health Record) is a digital form of patient's medical report.
AIS	(Ambulatory Information System) is a software application used for the management of patient medical records in outpatient care.



	STANDARD	PREMIUM
<b>INTEGRATION INTO 3<sup>rd</sup> PARTY SYSTEMS (SUCH AS EHR, AIS...)</b>		
Creating/updating patient in BTL CardioPoint from 3 <sup>rd</sup> party system using HL7 Plugin, GDT Plugin or BTL Medicus Plugin.	•	•
Sending final report and medical conclusion back to 3 <sup>rd</sup> party system using HL7 Plugin, GDT Plugin or BTL Medicus plugin	•	•
Starting/editing examination directly from 3 <sup>rd</sup> party system using GDT Plugin or BTL Medicus Plugin	•	•
<b>STANDALONE BTL CARDIOPOINT NETWORK</b>		
Possibility to share patient information	•	•
Possibility to share complete examination data	•	•
Possibility to share final reports	•	•
Possibility to simultaneously access examination results from multiple computers in the network	•	•
All data saved on a dedicated drive in an encrypted format	•	•
<b>ARCHIVING</b>		
Possibility to archive of examination data	•	•
Possibility to archive final reports in PACS using DICOM communication	•	•
Possibility to review examination results in any PACS viewer	•	•
DICOM Encapsulated PDF Storage supported	•	•
DICOM Secondary Capture Image Storage supported	•	•
DICOM Multi-frame True Color SC Storage supported	•	•
Possibility to export final reports in PDF, SVG or JPEG formats	•	•
Possibility to export complete examination data in the BTL's proprietary format (mewzip)	•	•
<b>HL7 CONNECTIVITY</b>		
<b>Communication from BTL CardioPoint to HIS</b>		
Sending medical conclusion and PDF report back to HIS using HL7 command	•	•
Sending observation results when examination reaches certain procedure status back to HIS using HL7 command		•
<b>Communication from HIS to BTL CardioPoint</b>		
Creating a patient in BTL CardioPoint using HL7 command		•
Updating a patient in BTL CardioPoint using HL7 command		•
Merging patients in BTL CardioPoint using HL7 command		•
Sending worklist request into BTL CardioPoint using HL7 command		•
Updating examination order using HL7 command		•
Possibility to cancel examination order using HL7 command		•



# COMPLETE SOLUTION



# BTL CARDIOPPOINT

## UNIFIED CLINICAL PLATFORM

The BTL CardioPoint is a versatile clinical system integrating ECG, Stress test, CPET, Holter, ABPM and Spirometry into one unified platform. All these modules use the same user interface style and the same controls logic. After using one module, getting used to another one is very easy.

## SINGLE PATIENT DATABASE

Patient information and examination results across all BTL CardioPoint applications are collected in a single patient database. Thanks to its clear arrangement, all common procedures (such as entering a new patient or starting a new examination) are very straightforward.

## SCALABLE INFORMATION SYSTEM

The BTL CardioPoint can run on a single computer at a doctor's practice or can be spread all over the medical centre serving hundreds of patients daily. Furthermore, integration with other information systems is possible at different levels. The BTL CardioPoint will accommodate an increase in the needs of your facility.

