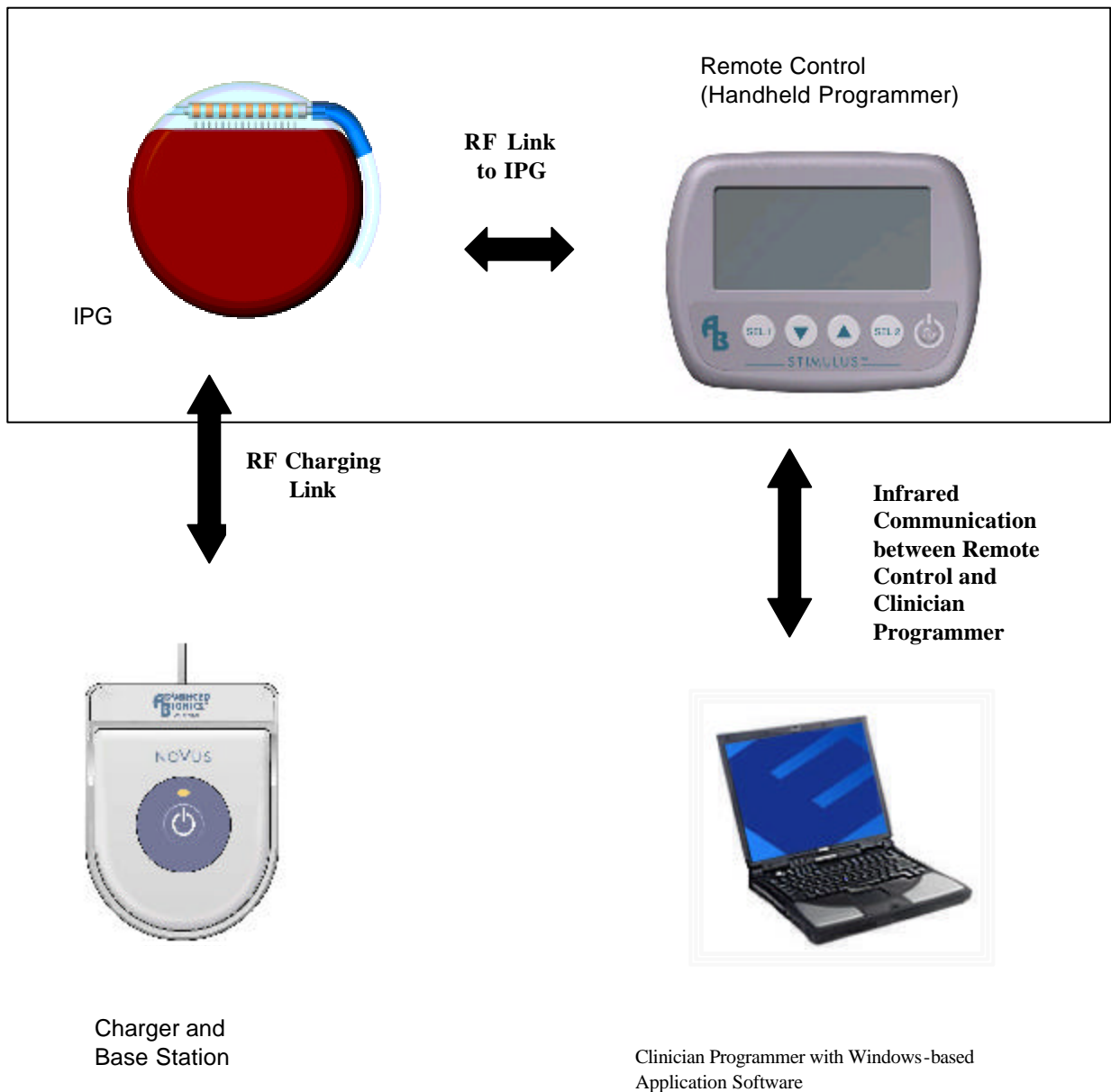


The SCS system is divided into Surgical, Clinician, and Patient Equipment. Patient Equipment includes all equipment the patient needs to have a workable system. Surgical equipment permits successful and verifiable implantation. Clinician equipment is primarily the programming system that enables stimulus parameters and patient databases to be recorded. In the block diagram below, please note that the PRECISION™ System was formerly referred to as Stimulus™ and Novus.



This submission covers the IPG and Handheld Programmer, shown in the box above. The description and features of each component follows.

Implantable Pulse Generator (IPG)

Description: Low power design housed in a Titanium 6-4 case that communicates with the Hand held Programmer via a telemetry link. Contains the necessary electronics to decode commands and provide stimulus to 16 electrodes in groups of up to four channels.

Features: 1) Uses a rechargeable Lithium Ion battery as the main power source, 2) Provides user control over stimulus parameters, and 3) Provides safety circuits and back telemetry communication.

Hand Held Programmer (HHP)

Description: Programmer that may be used by the patient or clinician to change the stimulus parameters of the IPG or ETS via a telemetry link.

Features: 1) Small programmer with easy to read LCD screen, 2) Software for ease of programming and user interface, and 3) Powered by field replaceable primary battery.