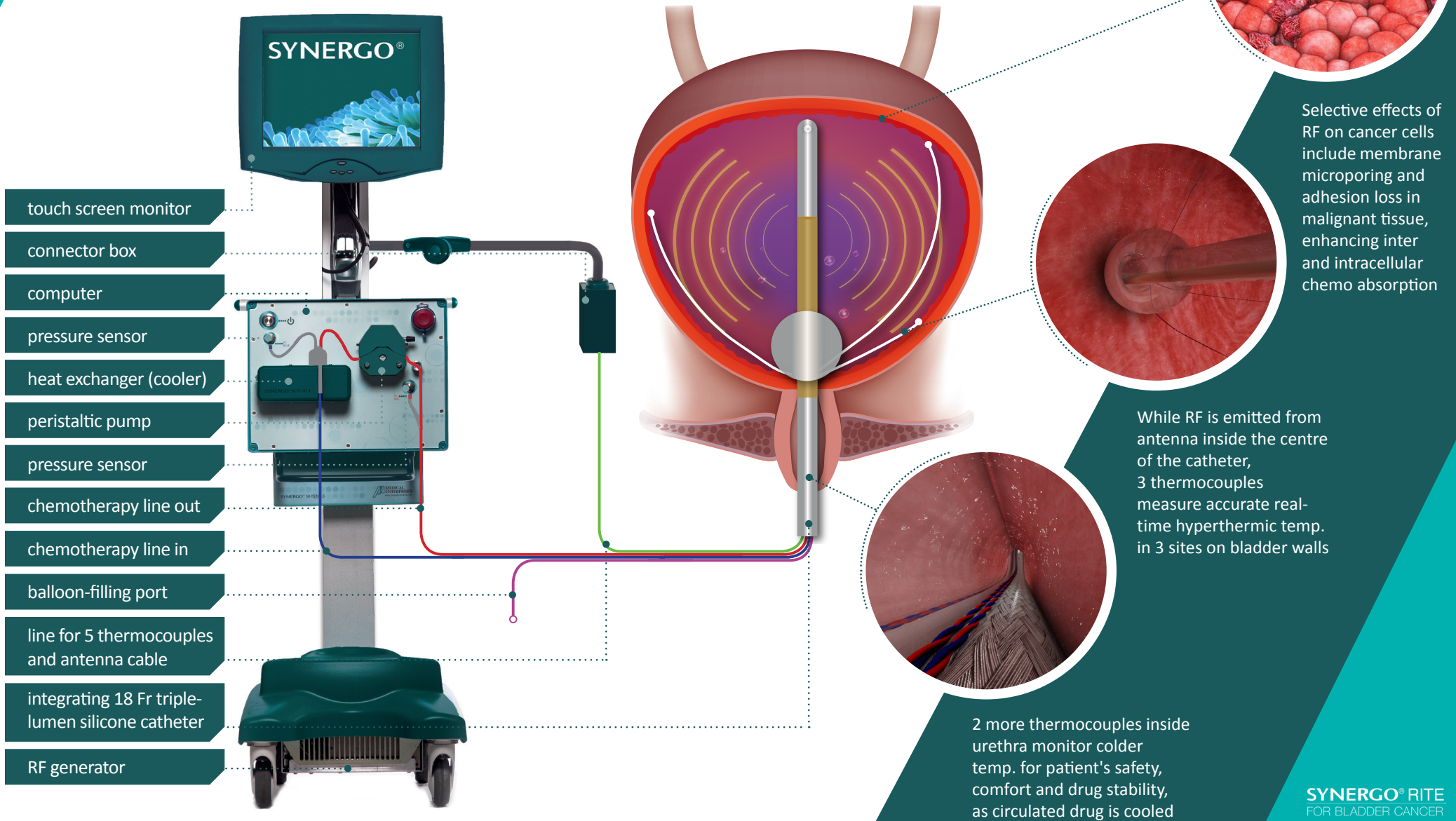


# SYNERGO<sup>®</sup> diagram and mechanism of action

Synergism of Radiofrequency (RF) radiation and chemo, heated directly in bladder tissue, while kept cold in bladder cavity

RF-generated 'Foucault' currents mobilise polarised chemo molecules, resulting in an active diffusion

Tissue hyperthermia accelerates chemical reaction rate (through activation energy) and speeds up local physiological changes



Selective effects of RF on cancer cells include membrane microporing and adhesion loss in malignant tissue, enhancing inter and intracellular chemo absorption

While RF is emitted from antenna inside the centre of the catheter, 3 thermocouples measure accurate real-time hyperthermic temp. in 3 sites on bladder walls

2 more thermocouples inside urethra monitor colder temp. for patient's safety, comfort and drug stability, as circulated drug is cooled