

novocure™

Touch Table

1. Touch Table Platform

A large touch screen capable of recognizing physical objects and touch gestures

2. Triggers

White acrylic pieces that are placed on the table to show interactive content

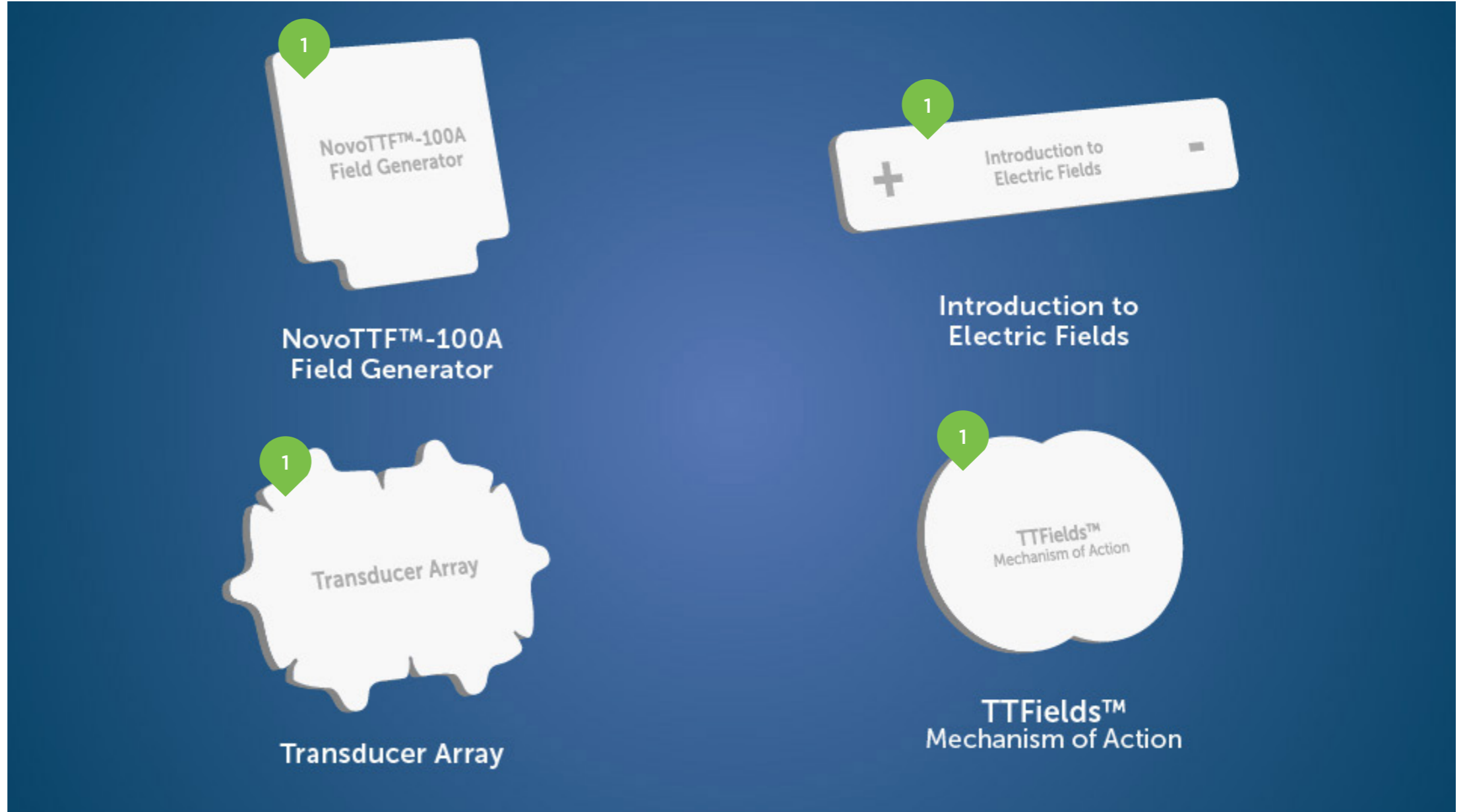


Touch Table Overview

1. Triggers

Custom ordered
3-dimensional white acrylic
pieces representing the 4
experiences of the touch table

Physical Touch Table Triggers



1. Initial Page

Field Generator: Section 1 begins with an overview of the NovoTTF™-100A System field generator

2. Scrollable Text (cont. page 4)

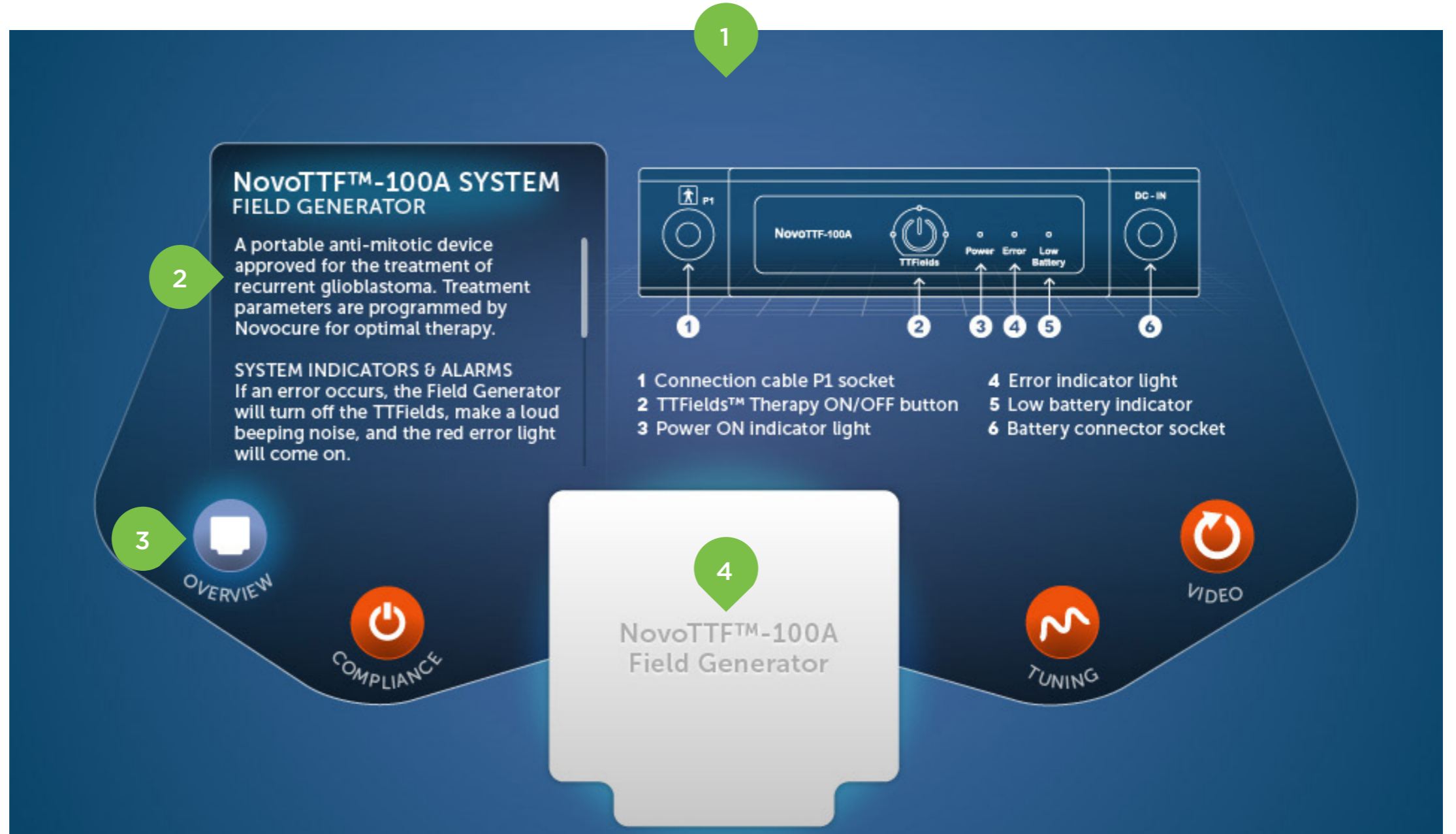
User touches text and slides finger up and down to scroll

3. Active-State Indication

Buttons are blue and glow to indicate which section the user is in

4. Trigger Piece

The physical object placed onto the touch table to trigger the module's interface and content to appear. As the object moves, the content on the screen follows



1. Scrollable Text (cont.)

User touches text and slides finger up and down to scroll

NovoTTF™-100A SYSTEM FIELD GENERATOR

SYSTEM INDICATORS & ALARMS
If an error occurs, the Field Generator will turn off the TTFIELDS, make a loud beeping noise, and the red error light will come on.

Possible alarm causes:

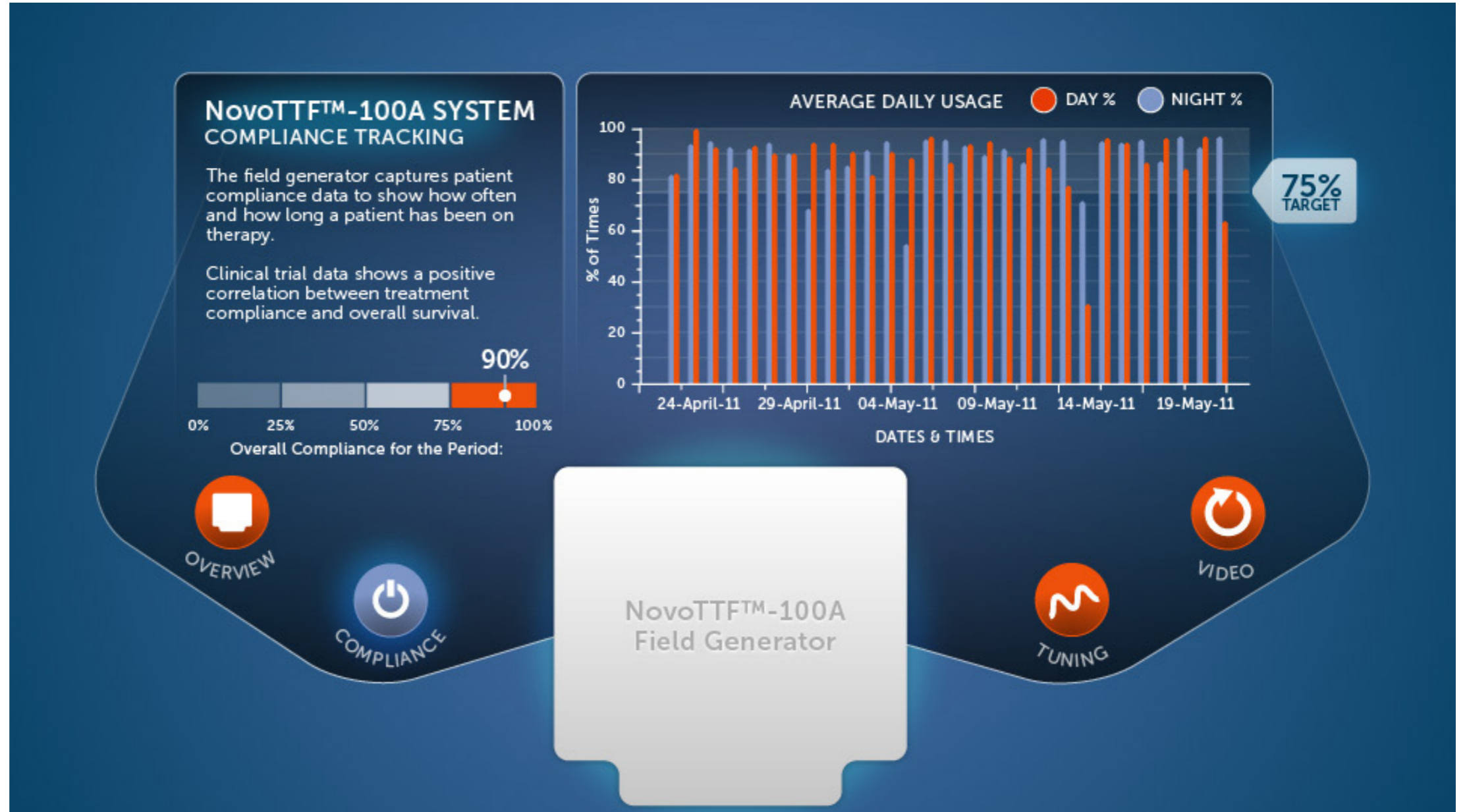
- Low battery
- Generator vents blocked
- Local hot spot on transducer array
- Device malfunction

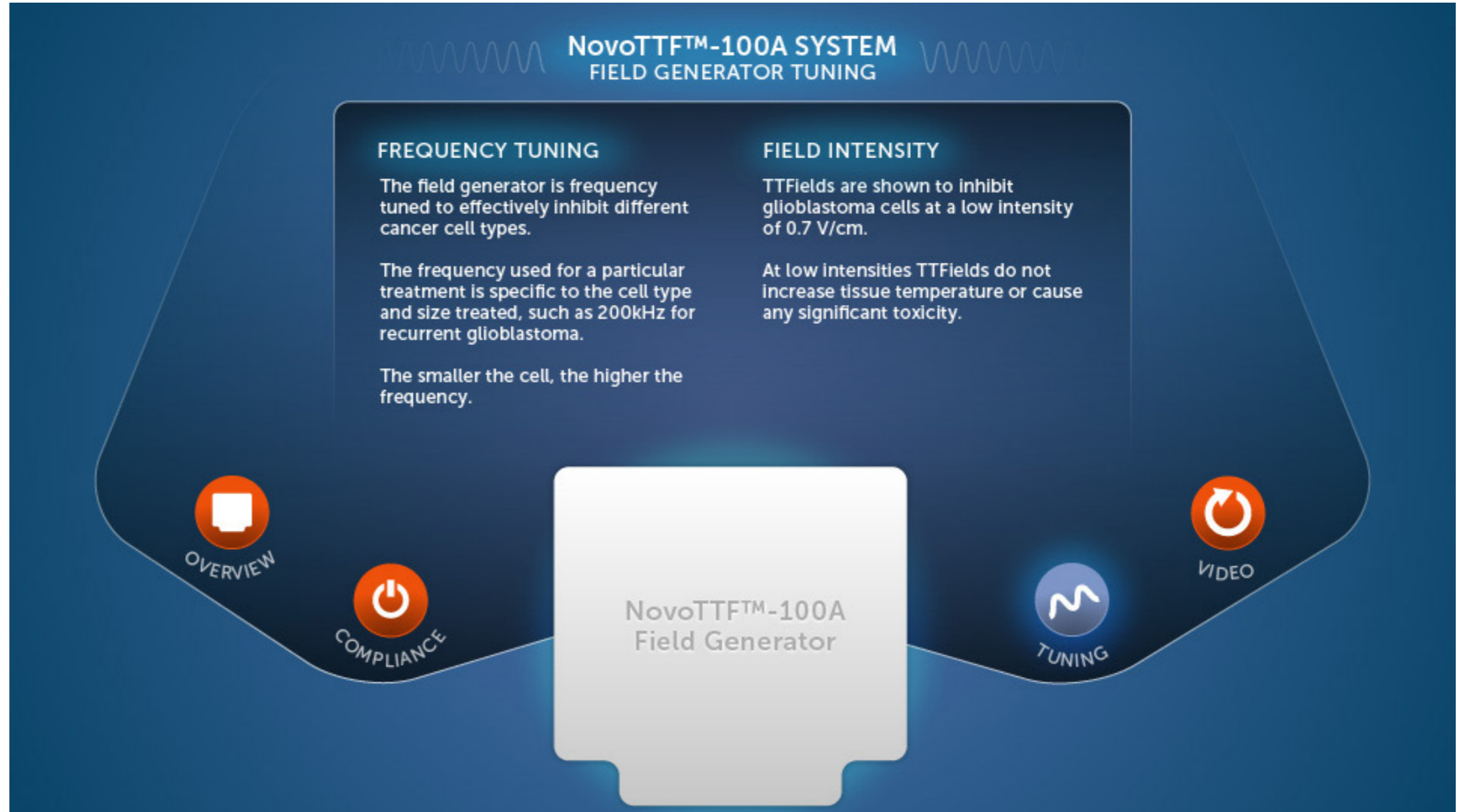
1

NovoTTF™-100A Field Generator

1 Connection cable P1 socket
2 TTFIELDS™ Therapy ON/OFF button
3 Power ON indicator light
4 Error indicator light
5 Low battery indicator
6 Battery connector socket

OVERVIEW
COMPLIANCE
TUNING
VIDEO





The diagram illustrates the 'NovoTTFTM-100A SYSTEM FIELD GENERATOR TUNING' interface. At the top center, the title is flanked by two sine wave icons. Below the title, two columns of text provide details on 'FREQUENCY TUNING' and 'FIELD INTENSITY'. The 'FREQUENCY TUNING' section explains that the field generator is frequency-tuned to inhibit different cancer cell types, with the frequency being specific to the cell type and size (e.g., 200kHz for recurrent glioblastoma), and that smaller cells require higher frequencies. The 'FIELD INTENSITY' section states that TTFields inhibit glioblastoma cells at a low intensity of 0.7 V/cm and that at low intensities, they do not increase tissue temperature or cause significant toxicity. At the bottom center is a grey icon of the 'NovoTTFTM-100A Field Generator'. Surrounding this icon are five circular icons: 'OVERVIEW' (top left), 'COMPLIANCE' (bottom left), 'TUNING' (bottom right, highlighted with a blue glow), and 'VIDEO' (top right).

NovoTTFTM-100A SYSTEM FIELD GENERATOR TUNING

FREQUENCY TUNING

The field generator is frequency tuned to effectively inhibit different cancer cell types.

The frequency used for a particular treatment is specific to the cell type and size treated, such as 200kHz for recurrent glioblastoma.

The smaller the cell, the higher the frequency.

FIELD INTENSITY

TTFields are shown to inhibit glioblastoma cells at a low intensity of 0.7 V/cm.

At low intensities TTFields do not increase tissue temperature or cause any significant toxicity.

NovoTTFTM-100A
Field Generator

OVERVIEW
COMPLIANCE
TUNING
VIDEO

1. Video Player Window*

A video of the field generator plays automatically when this section is launched

2. Replay

Users can replay the video by tapping the replay button



*Repurposed existing Novocure video asset

Transducer Array: Section 1-1

1. Transducer Array

An overview of the NovoTTF™-100A System transducer array including an exploded view of the array

2. 3D Array

Users can get a 360° view of the transducer array by using a slider control

3. Element Callouts

As the transducer array rotates, 5 individual element callouts will appear, one being the hydrogel conductors

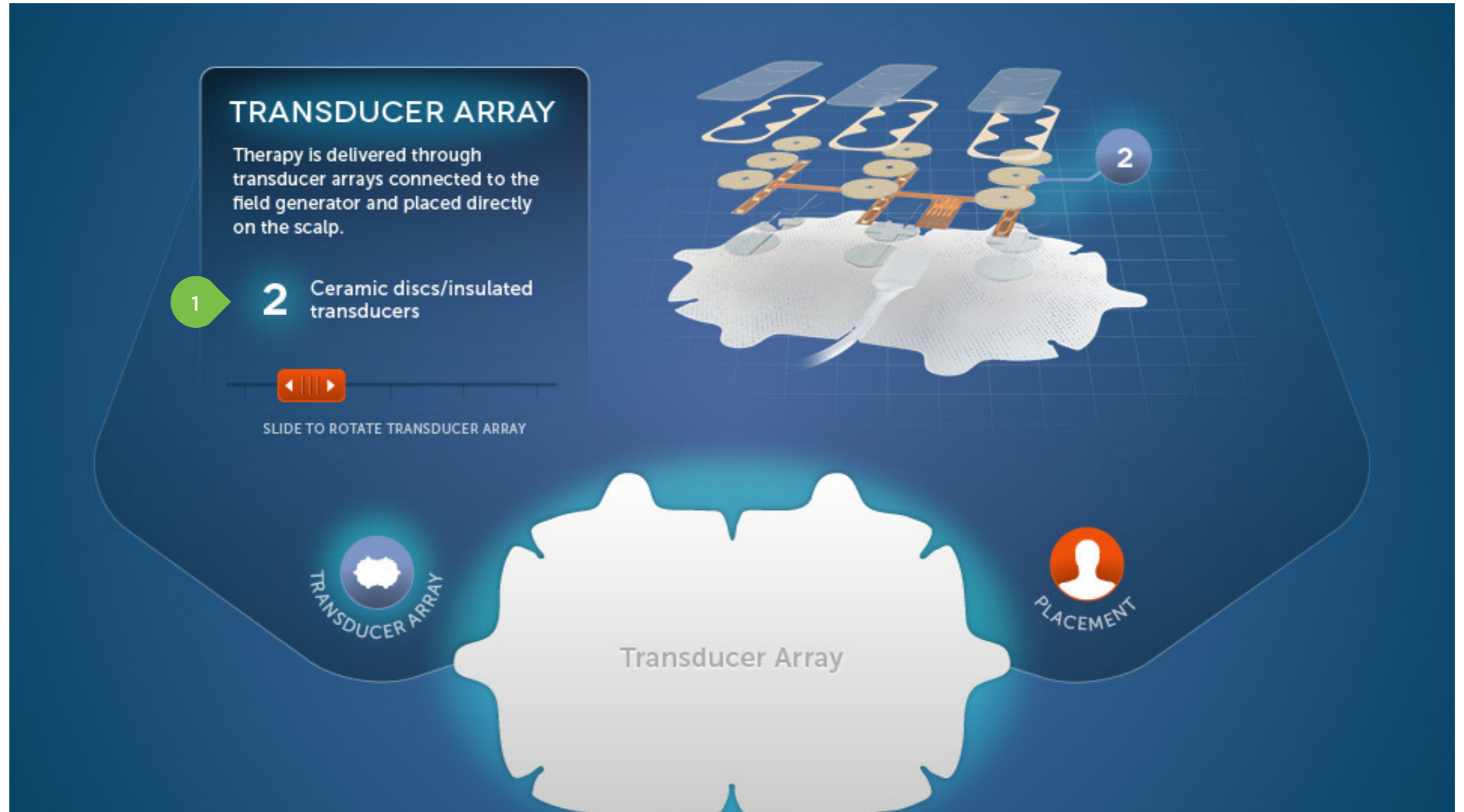
4. Trigger Piece

The physical object placed onto the touch table to trigger the module's interface and content to appear. As the object moves, the content on the screen follows



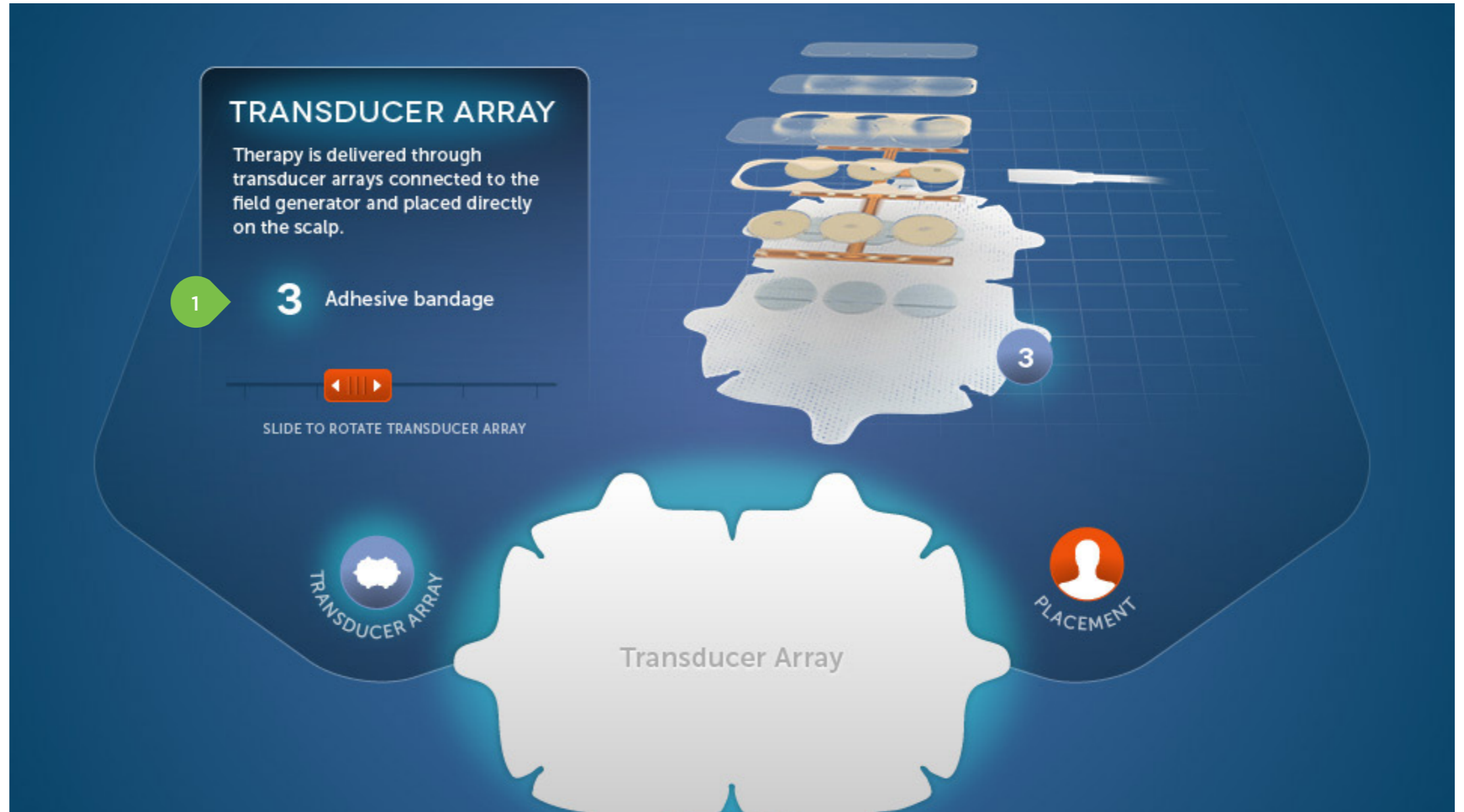
1. Element Callout 2

Ceramic discs/insulated transducers



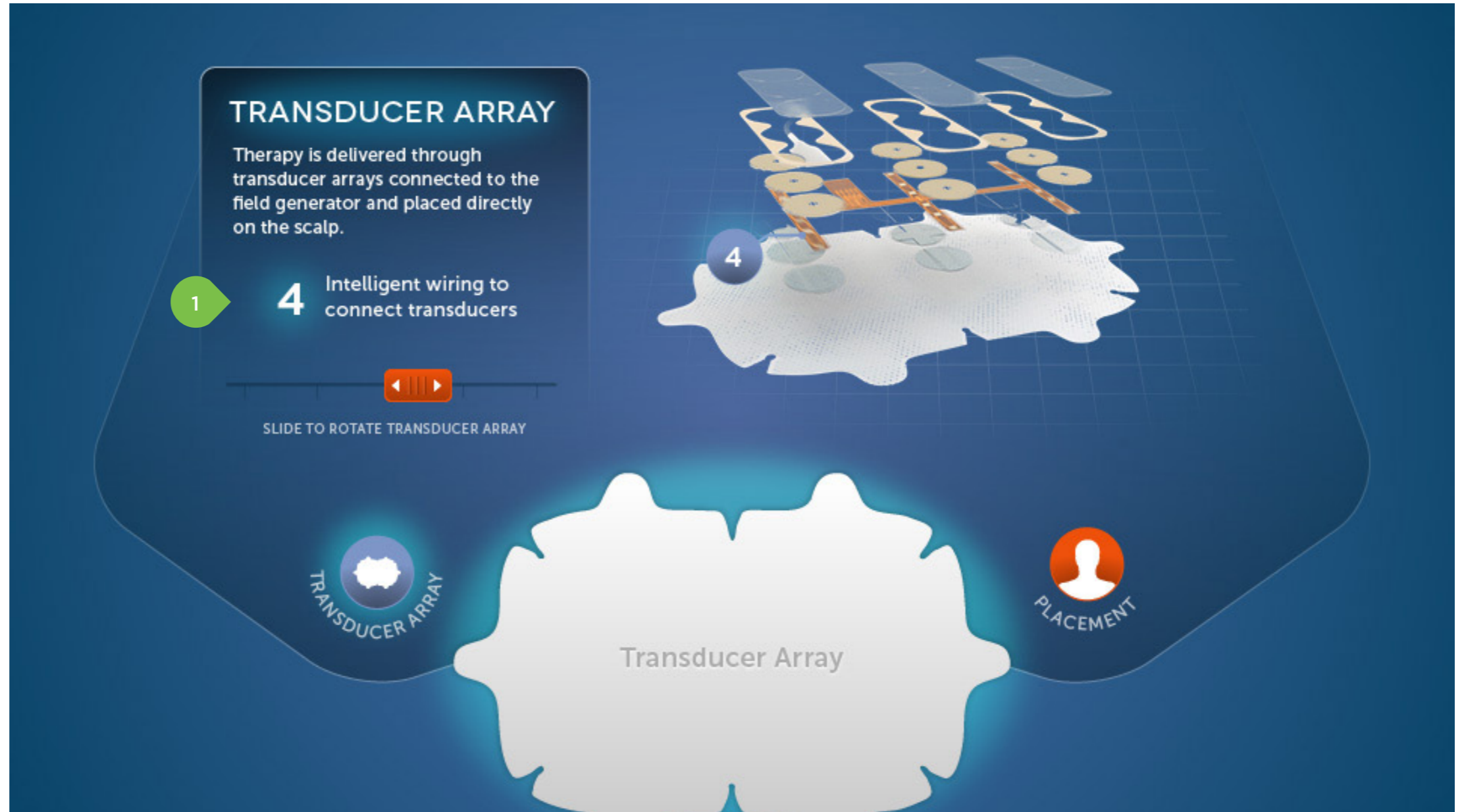
1. Element Callout 3

Adhesive bandage



1. Element Callout 4

Intelligent wiring to connect transducers



1. Element Callout 5

Device connection cable

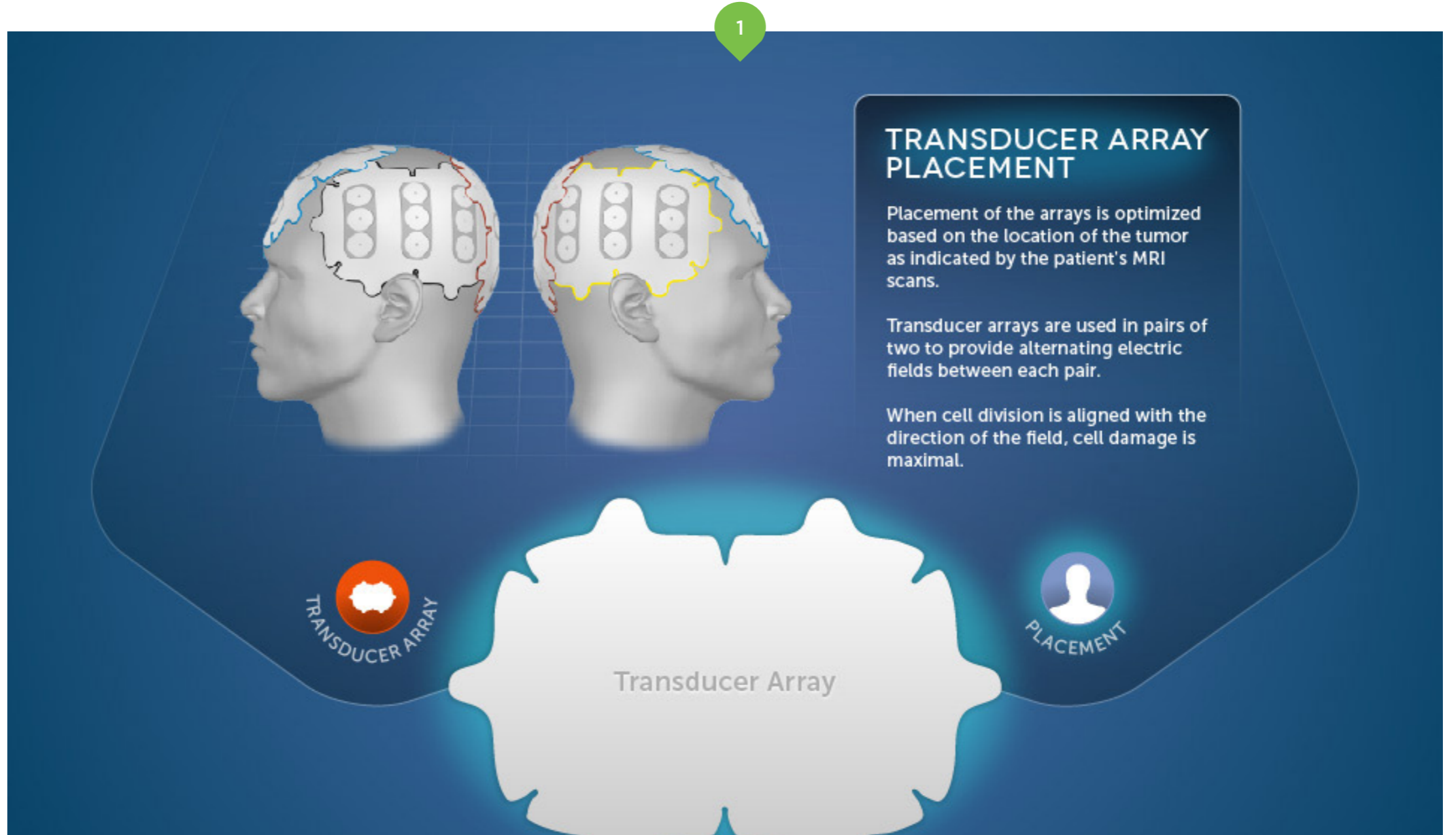


1. Transducer Array

Transducer array placement image and information

Transducer Array: Section 2

1



TRANSDUCER ARRAY PLACEMENT

Placement of the arrays is optimized based on the location of the tumor as indicated by the patient's MRI scans.

Transducer arrays are used in pairs of two to provide alternating electric fields between each pair.

When cell division is aligned with the direction of the field, cell damage is maximal.

TRANSDUCER ARRAY

PLACEMENT

Transducer Array

1. Initial Page

Section 1-1 begins with an introduction to TTFields™

2. Video Player Window*

A video introducing TTFields™ plays automatically when this section is launched

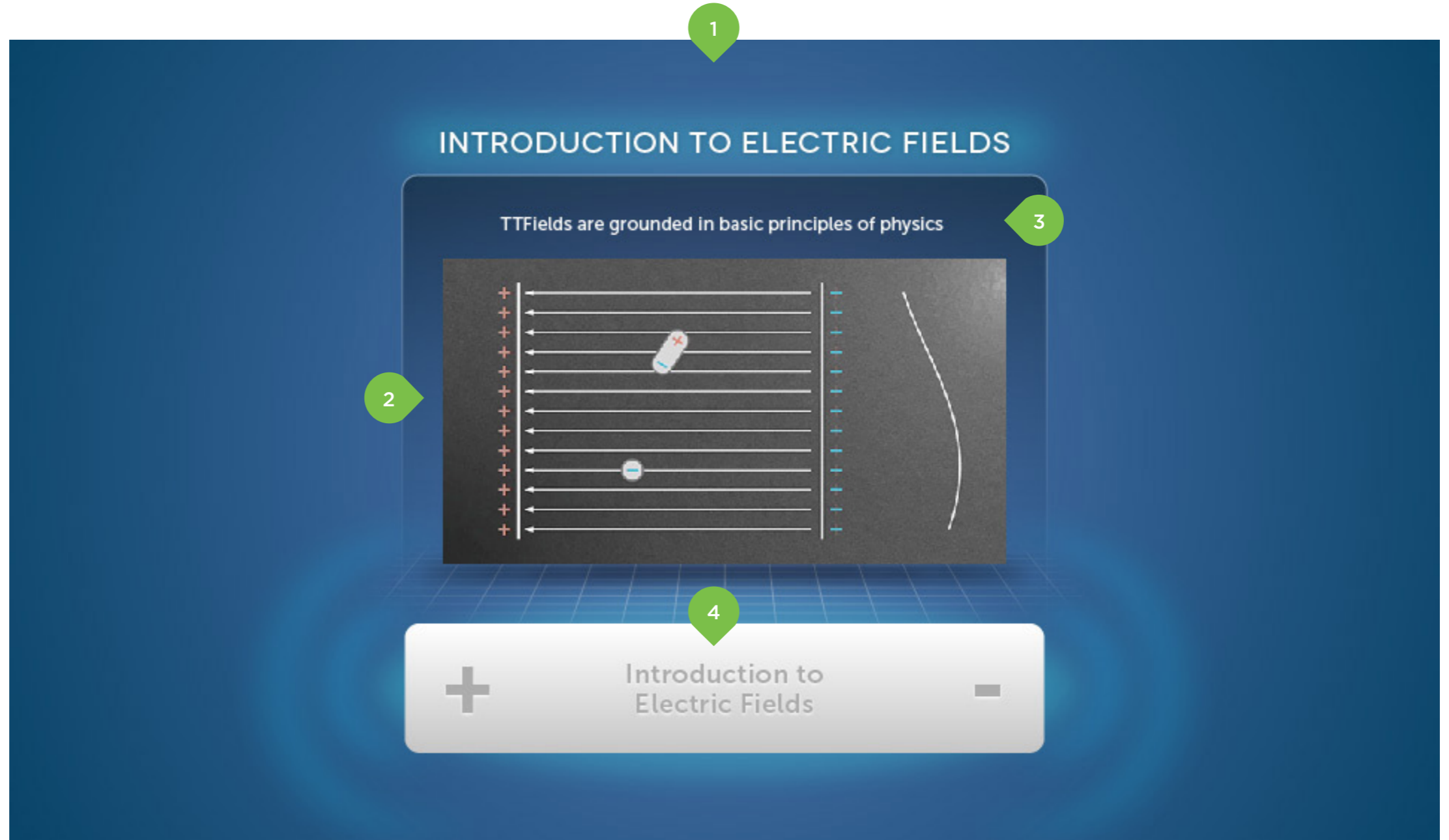
3. Dynamic Text

As video plays text appears above it to describe what the user is seeing

4. Trigger Piece

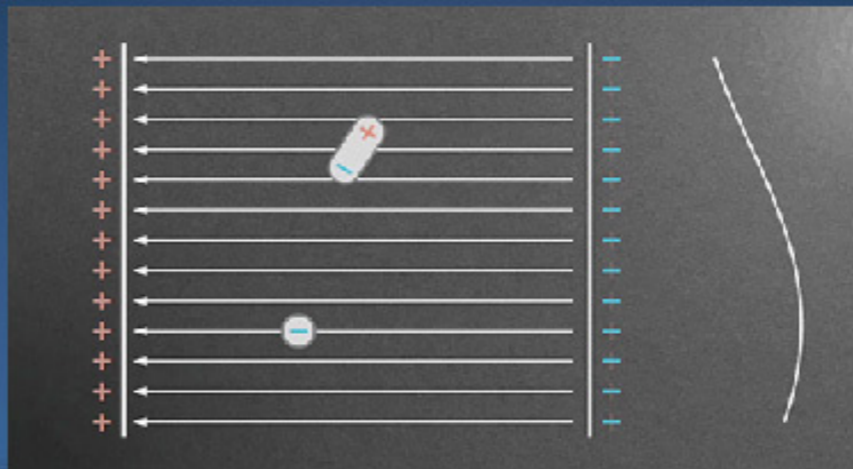
The physical object placed onto the touch table to trigger the module's interface and content to appear. As the object moves, the content on the screen follows

*Repurposed existing Novocure video asset (no audio)



INTRODUCTION TO ELECTRIC FIELDS

In the presence of an electric field, a charged particle will migrate toward the opposite charge

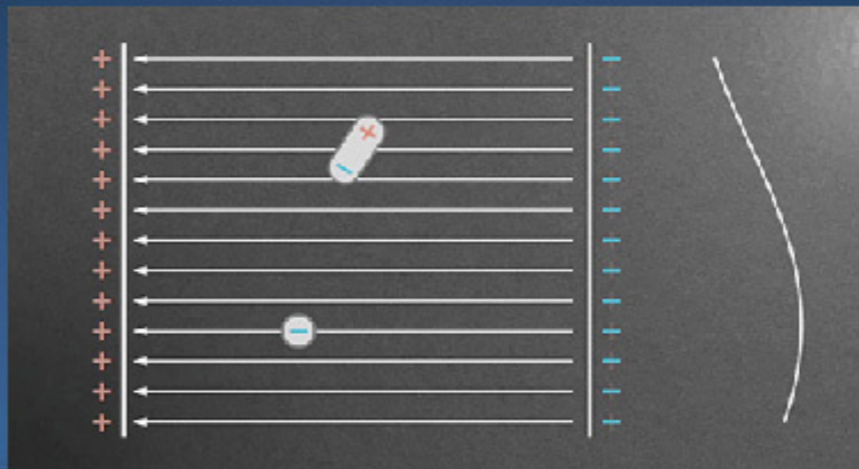


Introduction to
Electric Fields



INTRODUCTION TO ELECTRIC FIELDS

An alternating electric field will cause charges and dipoles to oscillate

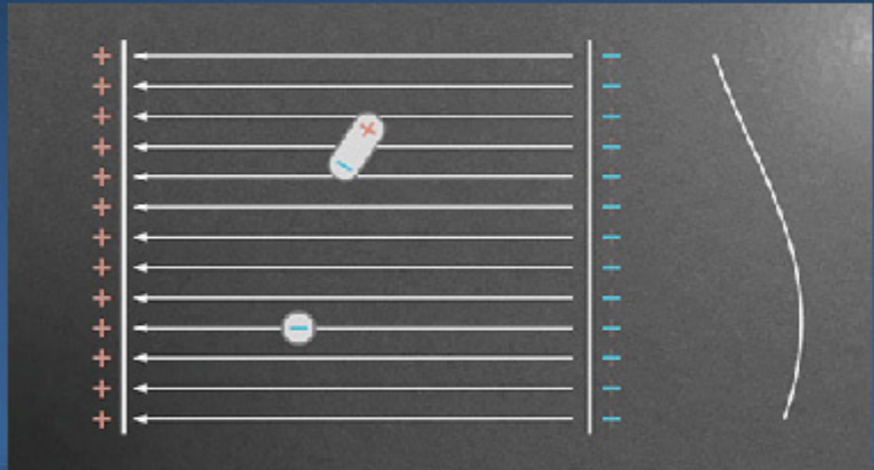


Introduction to
Electric Fields



INTRODUCTION TO ELECTRIC FIELDS

At higher frequencies, movement diminishes



+ Introduction to Electric Fields -

1. Video Player Window*

A video showing the effect of TTFIELDS on cells in metaphase plays automatically when this section is launched

2. Dynamic Text

As video plays, text appears above to describe what the user is seeing

3. Active-State Indication

Buttons are orange and glow to indicate which section the user is in

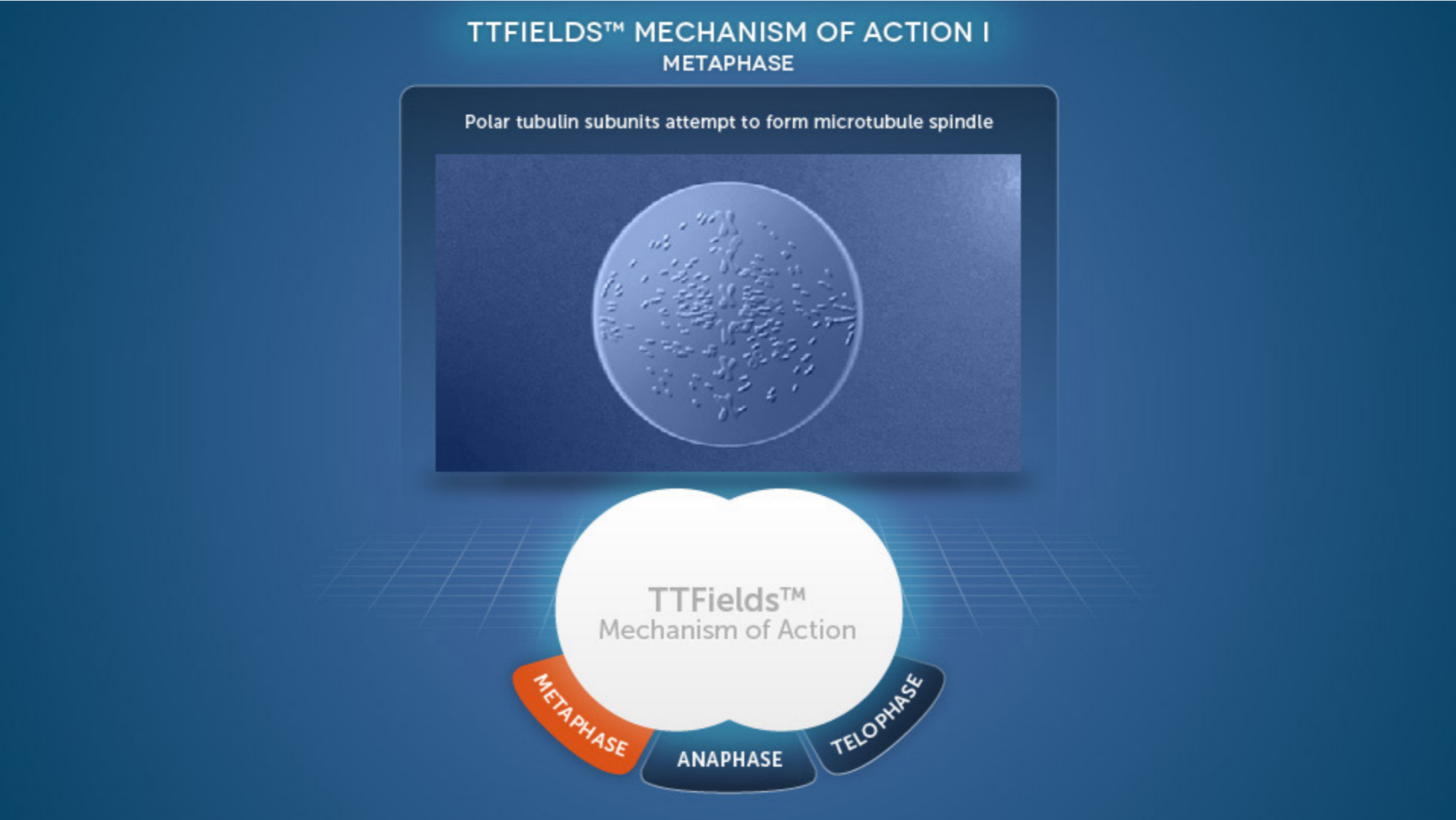
4. Trigger Piece

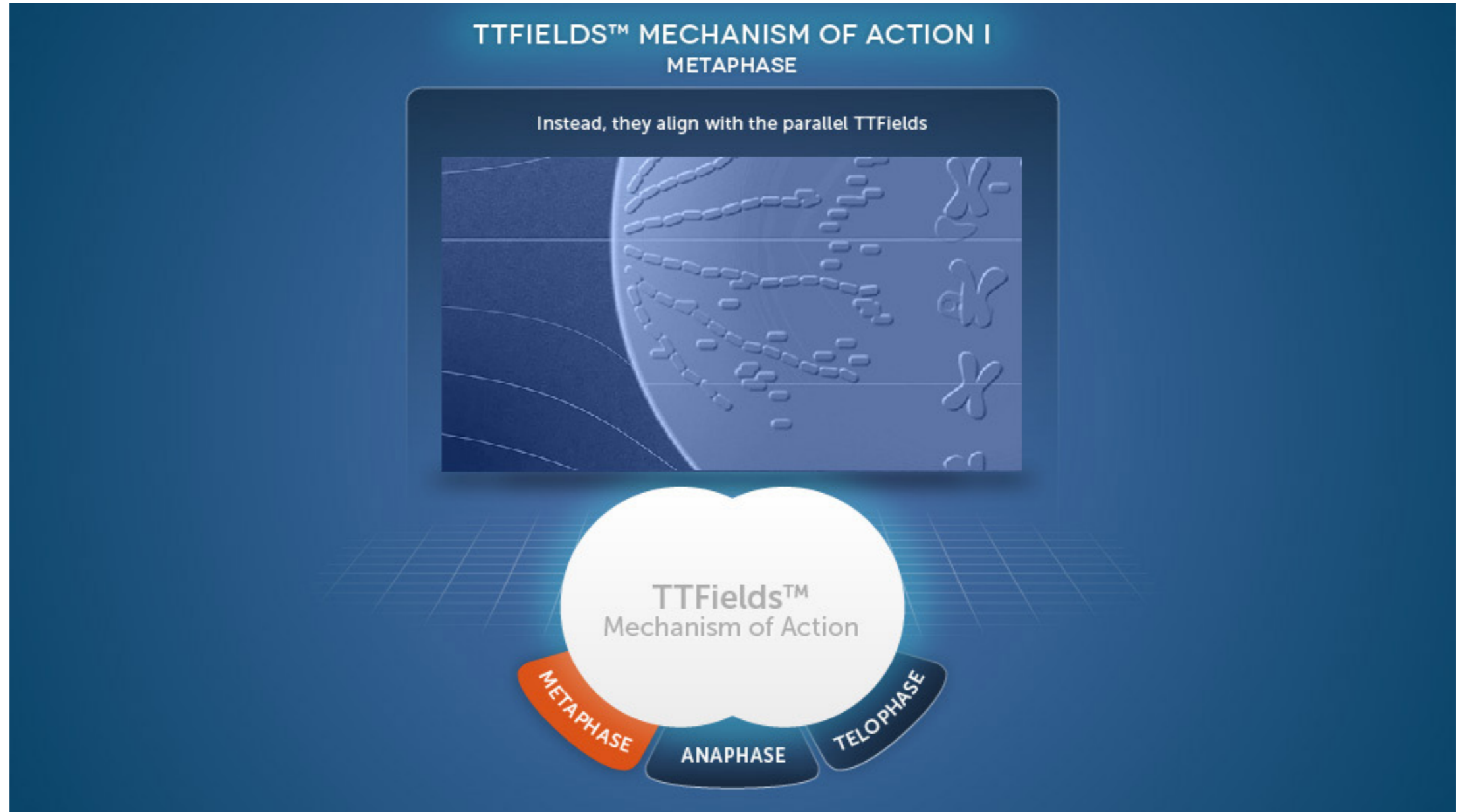
The physical object placed onto the touch table to trigger the module's interface and content to appear. As the object moves, the content on the screen follows

*Repurposed existing Novocure video asset (no audio)

TTFIELDS™ Mechanism of Action: Section 1-1







1. Replay

Users can replay the video by tapping the replay button



1. Video Player Window*

A video showing the effect of TFields on cells in anaphase plays automatically when this section is launched

*Repurposed existing Novocure video asset (no audio)

TTFIELDS™ MECHANISM OF ACTION II
ANAPHASE

Cells rounding up for mitosis are exposed to TFields

TFields
20:28:50.014

Control

TFields™
Mechanism of Action

METAPHASE **ANAPHASE** **TELOPHASE**

TTFIELDS™ MECHANISM OF ACTION II
ANAPHASE

Cells remain arrested in mitosis for up to 5 hours



TFields
2012-01-01 01:14

Control

TFields™
Mechanism of Action

METAPHASE ANAPHASE TELOPHASE

The diagram illustrates the mechanism of action of TFields in the anaphase stage of mitosis. It features a central white circle labeled 'TFields™ Mechanism of Action' with three colored segments below it: 'METAPHASE' (blue), 'ANAPHASE' (orange), and 'TELOPHASE' (blue). Above this, a text box states 'Cells remain arrested in mitosis for up to 5 hours'. Below the text box are two microscopy images: 'TFields' on the left and 'Control' on the right. The 'TFields' image shows several cells with bright spots and white circles highlighting specific cells, while the 'Control' image shows a cluster of cells.

1. Replay

Users can replay the video by tapping the replay button

TTFIELDS™ MECHANISM OF ACTION II
ANAPHASE

Dying cells exhibit membrane blebbing, the hallmark morphologic characteristic of programmed cell death or apoptosis



TTFIELDS
20:22:53.014

Control

TTFIELDS™
Mechanism of Action

METAPHASE **ANAPHASE** **TELOPHASE**

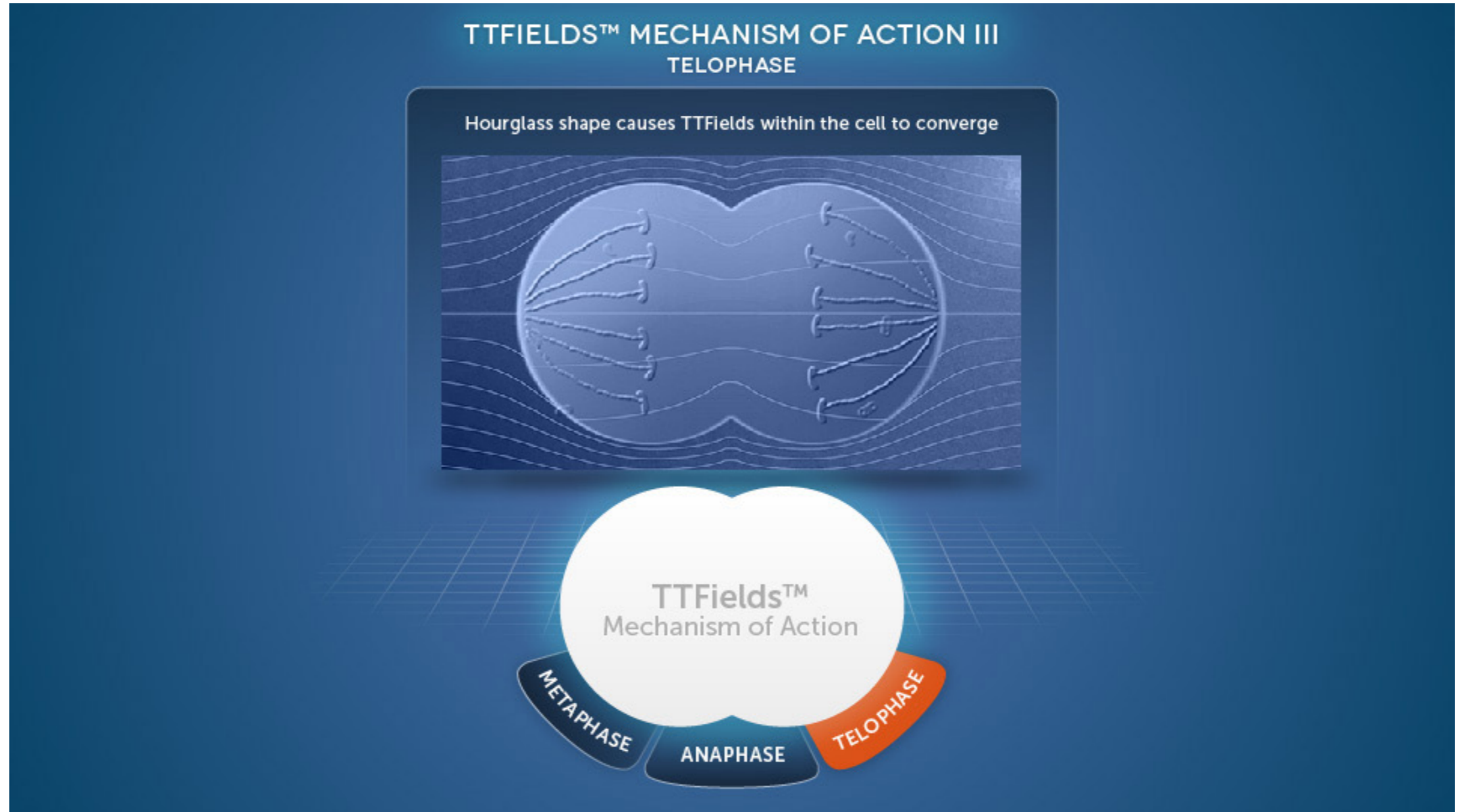
1. Video Player Window*

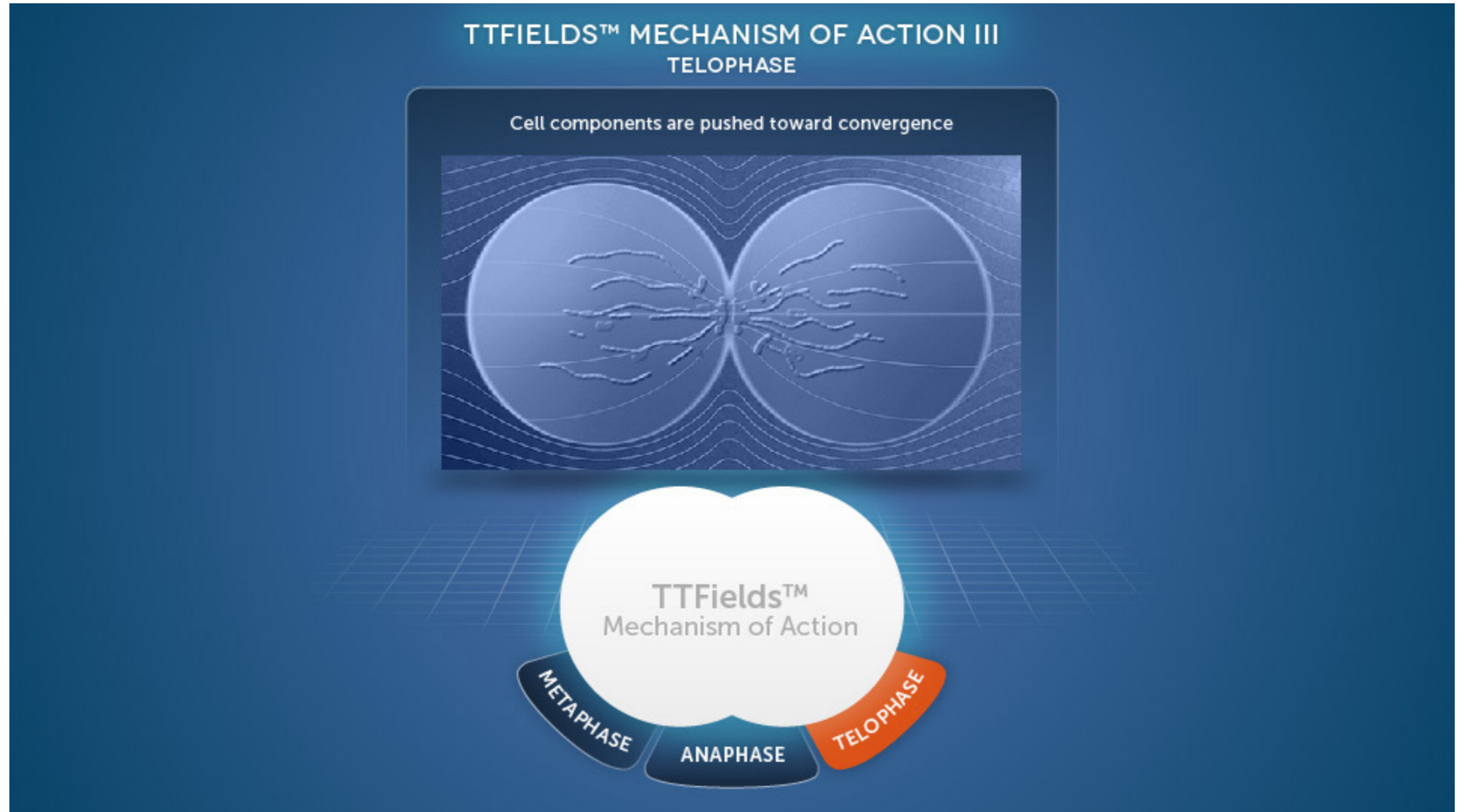
A video showing TTFIELDS™ effect on cells in telophase plays automatically when this section is launched

*Repurposed existing Novocure video asset (no audio)

TTFIELDS™ Mechanism of Action: Section 3-1







1. Replay

Users can replay the video by tapping the replay button

TTFIELDS™ Mechanism of Action: Section 3-4

TTFIELDS™ MECHANISM OF ACTION III
TELOPHASE

Cell structure is disrupted



1

REPLAY

TTFIELDS™
Mechanism of Action

METAPHASE

ANAPHASE

TELOPHASE

The image shows a digital interface for a video player. At the top, the title 'TTFIELDS™ MECHANISM OF ACTION III' and subtitle 'TELOPHASE' are displayed. Below this, a video frame shows several cells with the text 'Cell structure is disrupted' above them. A green circle with the number '1' and a black circular 'REPLAY' button with a circular arrow icon are overlaid on the video. Below the video frame is a large white cloud-like shape containing the text 'TTFIELDS™ Mechanism of Action'. At the bottom, three colored segments represent the cell cycle phases: 'METAPHASE' (dark blue), 'ANAPHASE' (teal), and 'TELOPHASE' (orange).