



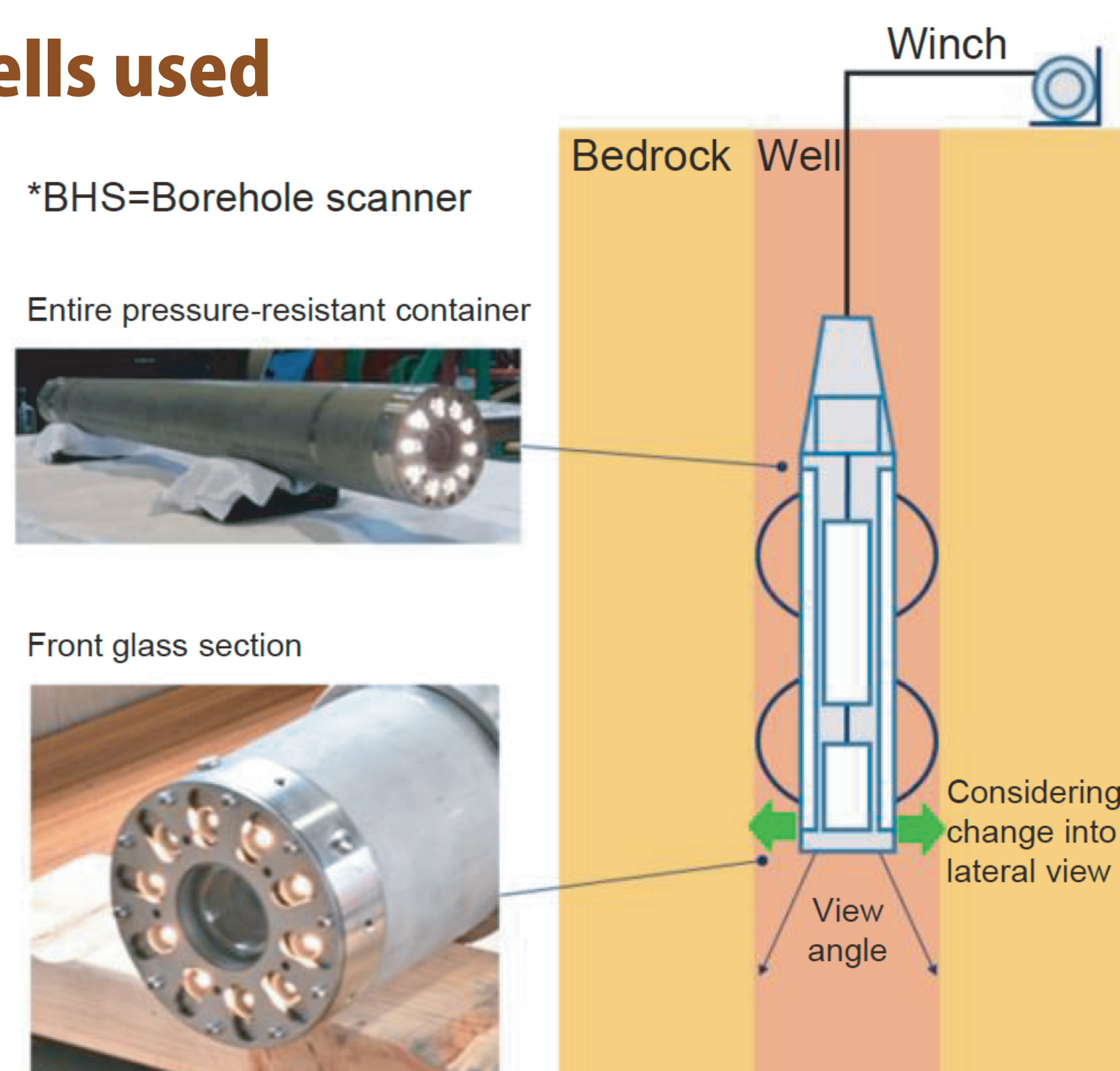
## (2) Example of sophistication of utilization: Heatproof borehole scanner (BHS)

### Accurately confirm the condition of damage to wells used for geothermal power generation, etc.!

As wells used for geothermal power generation are deep and hot, they cannot be inspected visually, and it is difficult to grasp their internal conditions.

Therefore, as shown in the right figure, a heatproof camera connected to an optical-fiber composite cable is lowered into wells using a winch to visualize casing damage and scale adhesion conditions.

Image sharpening processing and AI-based diagnosis contribute to early improvement of factors of a decrease in steam production.



## (3) Example of an environmental preservation measure: Eco-Run Set

### NEDO developed a set that is effective in "consensus building with the local community," which is important in geothermal development.

NEDO developed a design support set (so-called "Eco-Run Set," see Figures (1) to (3) below) which incorporates methods to minimize the impact on the natural environment, scenic beauty, and the use of parks to clarify and visualize the planning method.

This set contributes to initiatives to form good practices in geothermal development, encouragement of communication with stakeholders, and consensus building, as it enables visual sharing of images of the design and completion of environment-friendly power plants.

