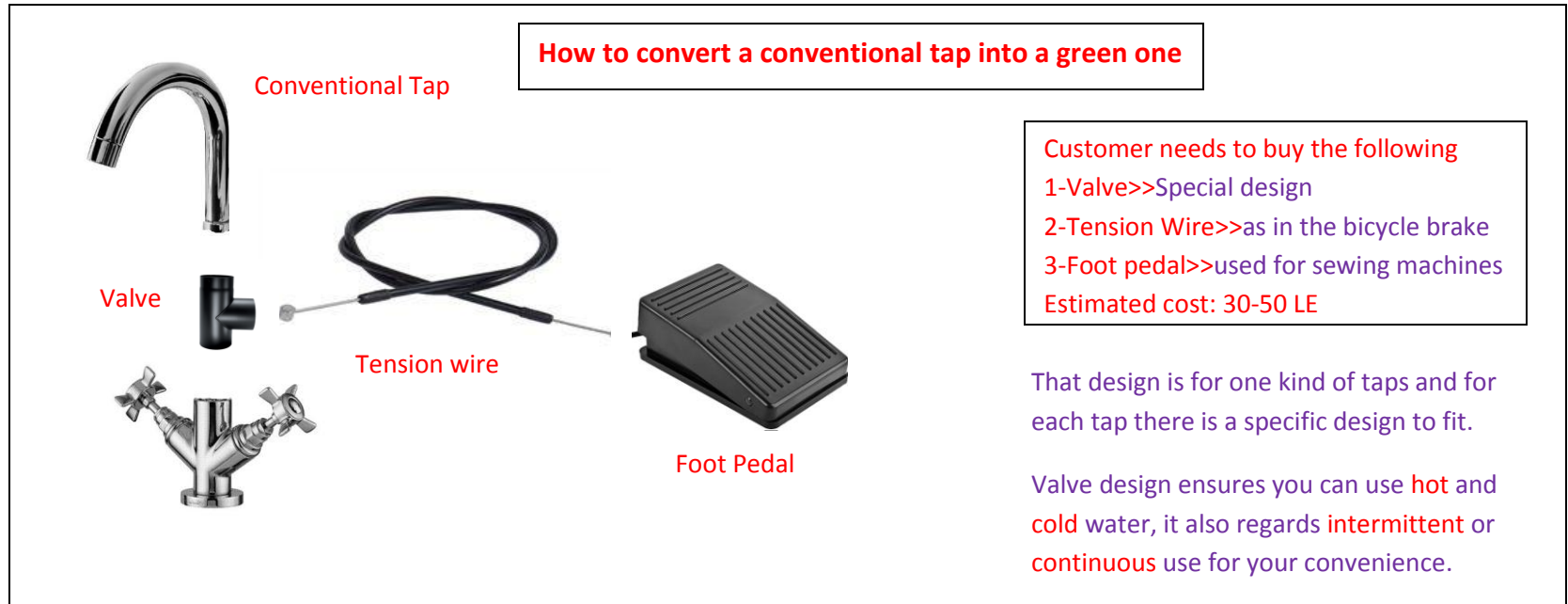
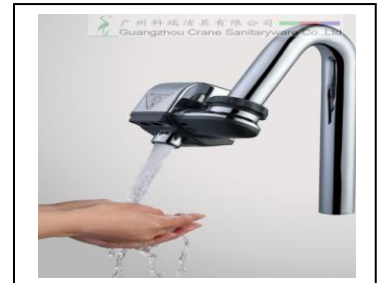


## The most important notes about the valve

### 1- It uses mechanical control



- There are also ideas to use electrical control(infrared/ultrasonic) ,but it has **serious** problems:
- 1-Not intelligent as it just opens water when it detects any object below the sensor (ie. I may be rubbing my hand under the tap without the need to operate water )
  - 2-The controller valve is giant and have a delay time to operate/ stop water which wastes water.
  - 3-Too expensive, needs batteries and electrical devices are awkward when it comes to water leakage.



The concept of using a foot tap is not new as I found after research. In medical surgeries, doctors use a similar kind of taps during sterilization. But I managed to re-innovate the concept in a cheap solution with a new simple design suits taps in the Egyptian market as there are no previous attempts to do this here till now.

**The Valve is simple, but the environmental impact is out of imagine!**