

# GPS Actuator

By Bernard Controls

## The best way to find your electric actuation solution

- **Linearity**
  - The **linearity** refers to the **idea that the percentage of change in input signal must approximate the percentage of change at the output of the actuator.**
  - Indeed, a valve is called linear when the flow is proportional to the opening position of the gate.
  - Most of modulating valves are linear. But depending on the type of valve, linearity may vary.
  - In case of strong non-linearity of the valve, it may cause instability of the modulating process. Therefore, the valve must be operated only through its most linear portion to ensure modulating duty.