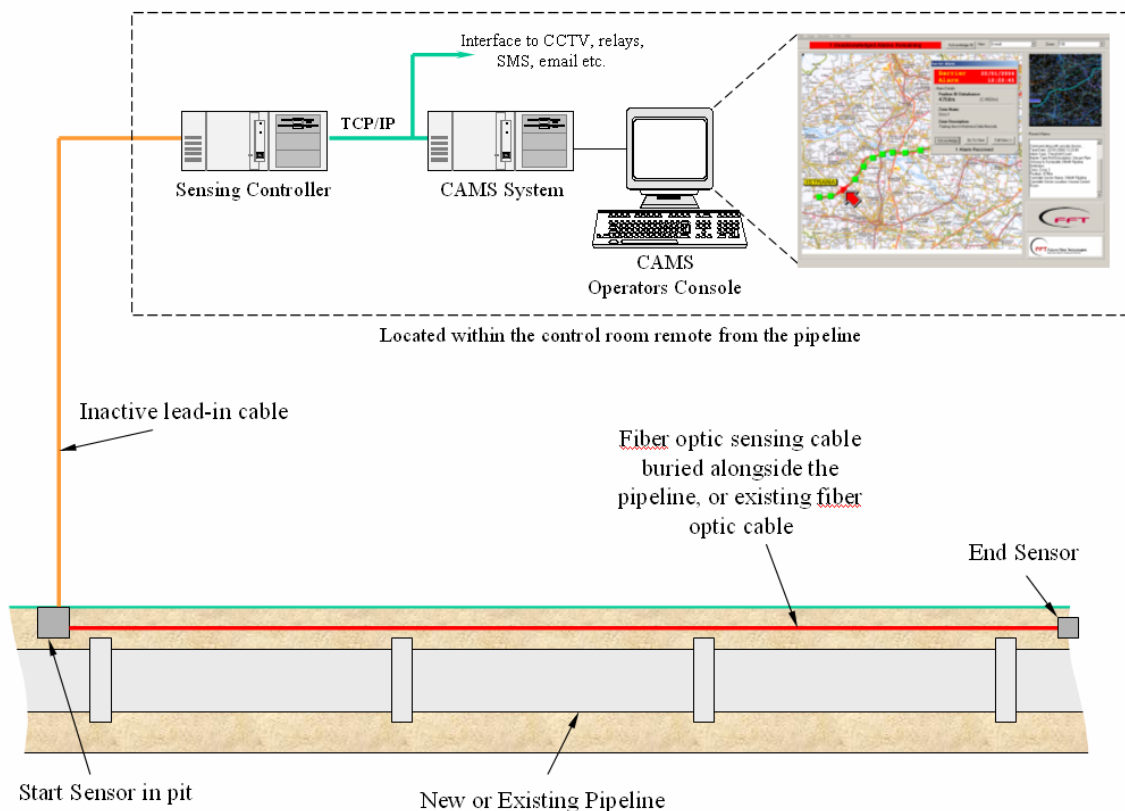


## HOW IT WORKS...



**FFT Secure Pipe™** utilizes either a new or existing fiber optic cable buried alongside a pipeline, detecting and locating an intrusion or TPI event to within 150 yards regardless of the pipeline length. A single system can protect 25 miles (40km) of pipeline, with multiple systems networked together for longer distances.

A laser beam is transmitted along this buried sensor cable, and the returned signal is automatically monitored and analyzed by the sensing controller for ground disturbances. This returned signal is intelligently processed to minimize false alarms, while still detecting and reacting to the smallest hostile event.

As can be seen in the image above, there is no power or electronics along the pipeline, and the sensor cable is intrinsically safe. Power is only required at the sensing controller which is normally housed within a secure control room. The inactive lead-in cable runs from the sensing controller to the pipeline where a start sensor is spliced on. The buried cable (shown in red) is now sensitive all the way along the pipeline until the end sensor.