

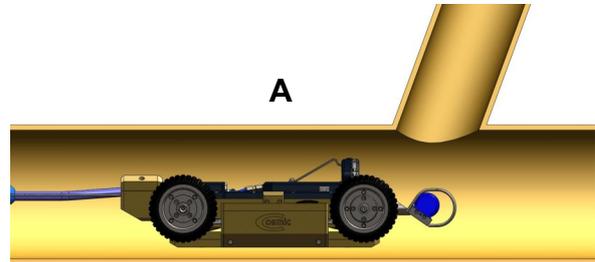
SELECTIVE SEWER RENOVATION AND ROBOTICS



Main Pipe DN150mm - 6" renovated till DN600 -24" (DN900 - 36")

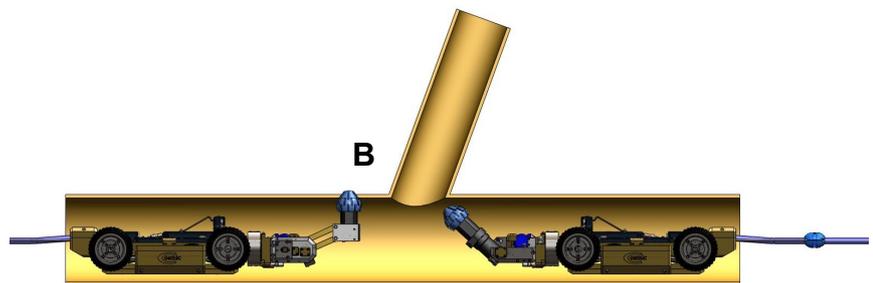
TV in the Main Pipe:

- Camera + Robot (A)



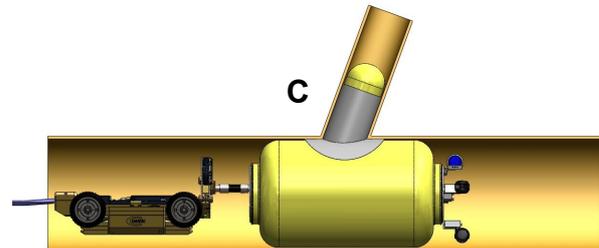
Cutting in the Main Pipe:

- Cutter + Robot (B)



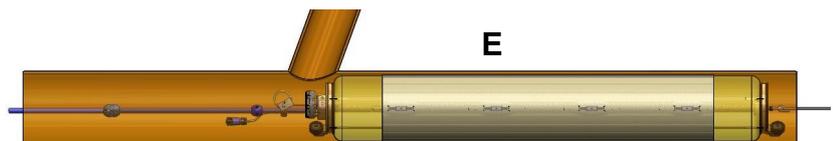
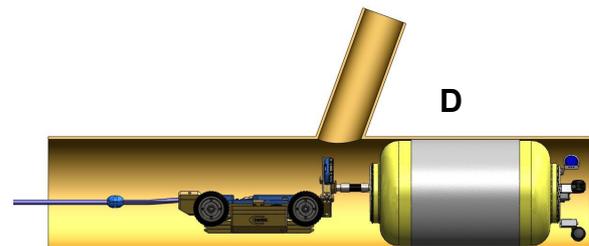
Tophat in the Main Pipe:

- Tophat + Robot(C)



Shortliner in the Main Pipe:

- Shortliner + Robot (D)
- Shortliner+ Quick Seal (E)



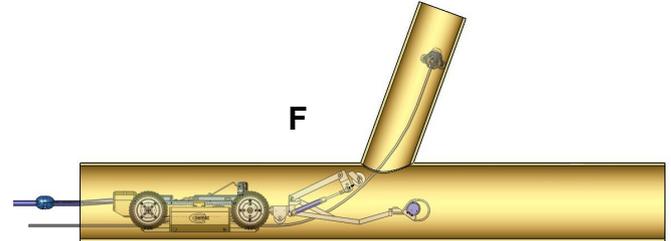
Cosmic offers a complete system for Selective Sewer Renovation with robotics without digging. The System can locate, analyse, document, cutting, renovate the connections via GRP Hats and install Short liners. The GRP Material is not able to shrink and is self-supporting. The Adhesive is certified for 50 Years.

SELECTIVE SEWER RENOVATION AND ROBOTICS

Lateral DN100-200 (4" - 8")

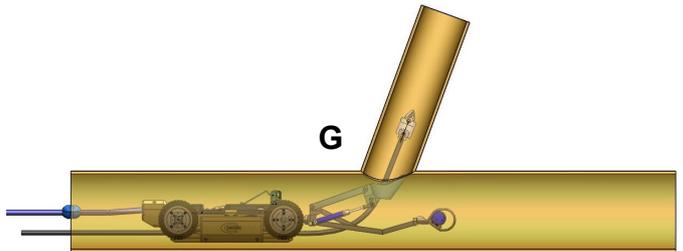
TV in the Lateral:

- with SAT Camera (F)



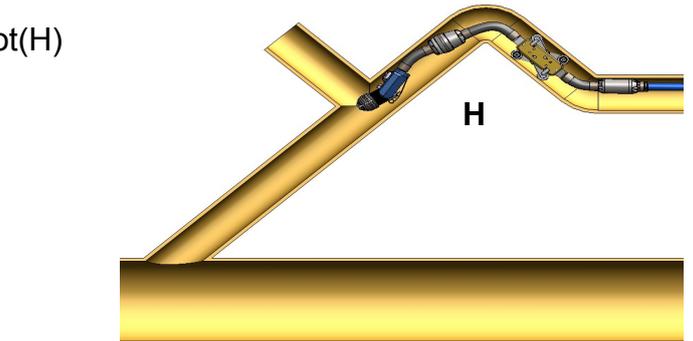
Cutting in the Lateral:

- Root cutter+ Robot (G)



CS100 in the Lateral:

- CS100 - 90° bend mobility cutter robot(H)



Tophat in the Lateral:

(I)

Shortliner in the Lateral:

(J)

Advantages:

- Renovation without trenches
- No Traffic holdup
- No Shutoff
- Only a few sewer Bypasses
- statically self-supporting
- certified adhesion till 50 Years
- The same primary Material for T + Y
- No dangerous goods
- No liquid resin on the installation side
- The resin can not be flushed away from the water into the groundwater because it is elastic
- The resin can not be mixed with water and can not resin into the groundwater.

