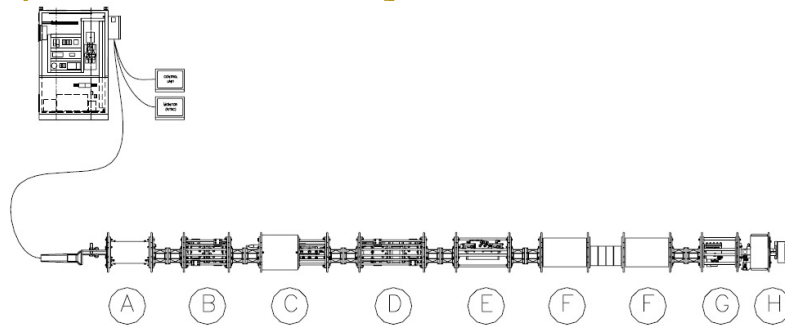
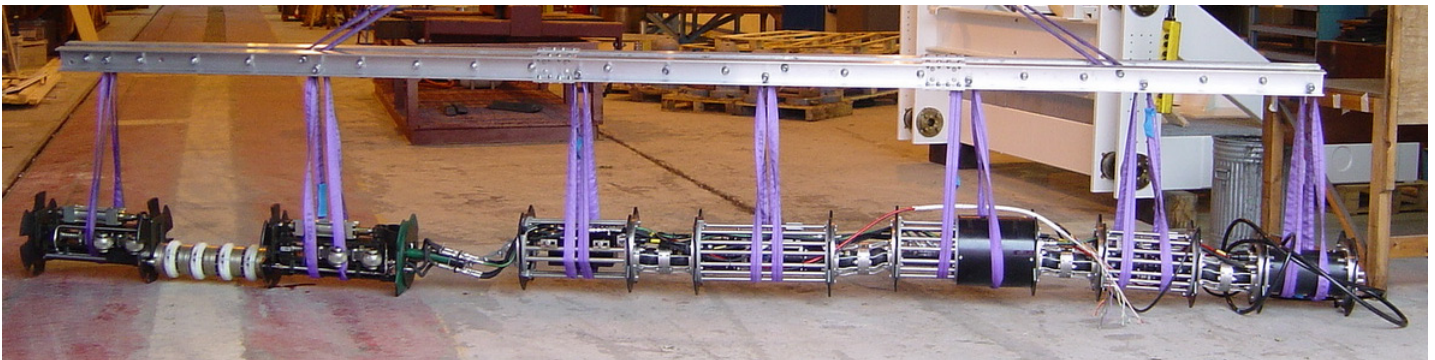


GIRINO Pipe Crawler System



(A) Umbilical junction box	1 unit
(B) Compensation system	1 unit
(C) HPU	1 unit
(D) Hydraulic reservoir	1 unit
(E) Main valve pack	1 unit
(F) Motive system	2 units
(G) Tools Control Unit	1 unit
(H) Tool head (camera and pipe reconstruction tool)	



DESCRIPTION

Petrobras approached Forum to provide a solution for providing power and control to a pipe crawler system that the client had developed. Later in the project a video camera system was added and a tool to reform damaged pipes

SUMMARY

- Client: Petrobras
- Delivery Date: Aug 2005
- Forum Part Number A290-100-002
- System included miniature HPU, valve pack, video head, pipe reforming tool.
- Used with clients pipe crawling mechanism.