QGIS Application - Feature request #7911
Make mapping/editing of infrastructure networks easier

2013-05-26 03:37 PM - timmie -

Status:	Open		
Priority:	Normal		
Assignee:			
Category:	Digitising		
Pull Request or Patch supplied:	No	**Resolution:**	
Easy fix?:	No	**Copied to github as #:**	16783

Description

A typical infrastructure network (water, gas, electricity, telecom) usually has:

  - nodes (pump station, substation, hub)
  - lines (pipes, cables)

Please add functionality to logically relate these objects

  - node type
  - start node of line (from)
  - end node of line (to)

help editing:

  - when a node is moved (digitization), the connected lines shall be shifted
  - provide analysis (near, connected to)

History

#1 - 2013-05-26 03:47 PM - Nathan Woodrow

Could you please open a ticket for each issue.

  - Moving connected lines and nodes
  - Network analysis

#2 - 2013-05-27 02:28 AM - Andreas Neumann

Hi Timmie,

I would suggest to develop such functionality in separate plugins/applications - only generally useful stuff should go into QGIS core.

For waste-water there is an ongoing project in Switzerland (parts of it will go into QGIS core (the database relations stuff) - parts of it will be handled in the Postgis database (like the maintainance of from/to relations that you demand) - and parts of the logic is in a python plugin.

There will also be efforts around water and gaz in Switzerland.

If you want to join these efforts, let me know.

Andreas

#3 - 2017-05-01 12:48 AM - Giovanni Manghi

- Easy fix? set to No