

# QGIS Application - Feature request #7911

## Make mapping/editing of infrastructure networks easier

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

<b>Status:</b> Open	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Digitising	
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b>
<b>Easy fix?:</b> No	<b>Copied to github as #:</b> 16783
<b>Description</b> A typical infrastructure network (water, gas, electricity, telecom) usually has: <ul style="list-style-type: none"><li>- nodes (pump station, substation, hub)</li><li>- lines (pipes, cables)</li></ul> Please add functionality to logically relate these objects <ul style="list-style-type: none"><li>- node type</li><li>- start node of line (from)</li><li>- end node of line (to)</li></ul> help editing: <ul style="list-style-type: none"><li>- when a node is moved (digitization), the connected lines shall be shifted</li><li>- provide analysis (near, connected to)</li></ul>	

### 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