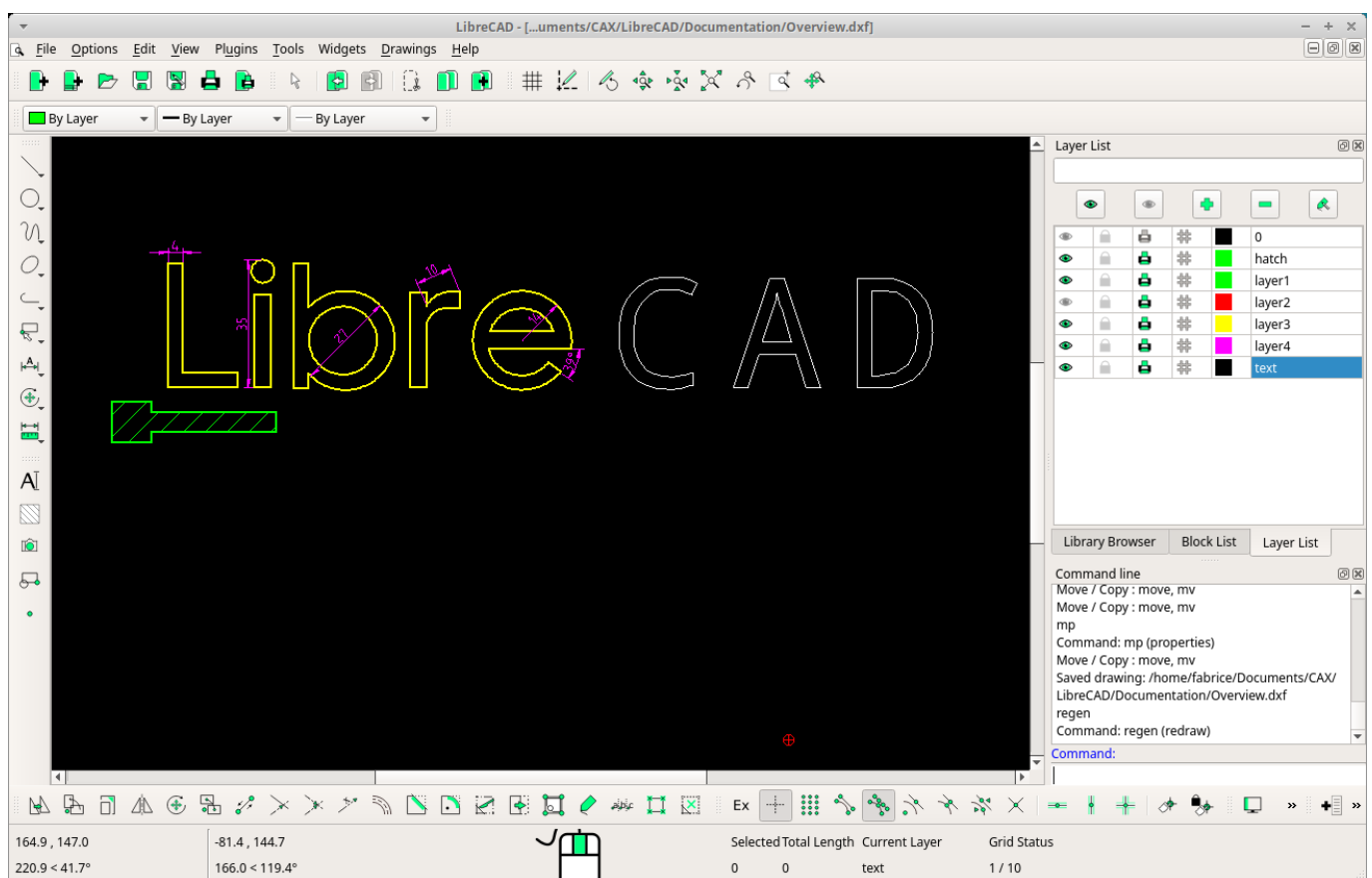**This page is under work**

Introduction to LibreCAD

Welcome to the LibreCAD Wiki!

LibreCAD is a **free and open source 2D CAD** application. Its purpose is to provide a free drawing solution for hobbyists and even professionals. Those interested in LibreCAD history can visit the genesis page.

Screenshot of LibreCAD

Licence

LibreCAD is a free software. You can redistribute it and/or modify it under the terms of the GNU General Public License version 2 (GPLv2) as published by the **Free Software Foundation**.

You will find more information on the license and Copyrights in the User Manual Appendix.

LibreCAD capabilities

- Partial support of Autodesk DWG format (importing only).
- Support of Autodesk DXF open format (import and export). It is LibreCAD main format.
- Export in PDF format and image format (PNG, SVG, bitmap).
- Support of MakerCAM SVG format. **To be confirmed**
- Line, circle, arc, polyline, spline.
- Entity modification: move/duplicate, mirror, scale, offset, trim, fillet, etc.
- Cartesian and polar coordinate systems.
- Local coordinates system: you can choose a new origin to input ang get coordinates.
- Snap functions to accurately draw with end points, middle points, center of arcs, intersection of lines.
- Hatch.
- Blocks can be created and inserted.
- Library to manage standard components through blocks (screw, windows, etc.).
- Text annotation.
- Dimensions: linear dimension aligned with feature, radius, diameter, leader.
- Layer management: toggle for visibility and for printing, entitiy properties driven by layer properties (color, line width, type of line).
- Print to a chosen scale.
- Tool bars can be customized.
- Several actions can be made through the command line.
- Plugins developped to ease some tasks.
- User Interface available in several languages.

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Last update: **2019/06/16 16:01**