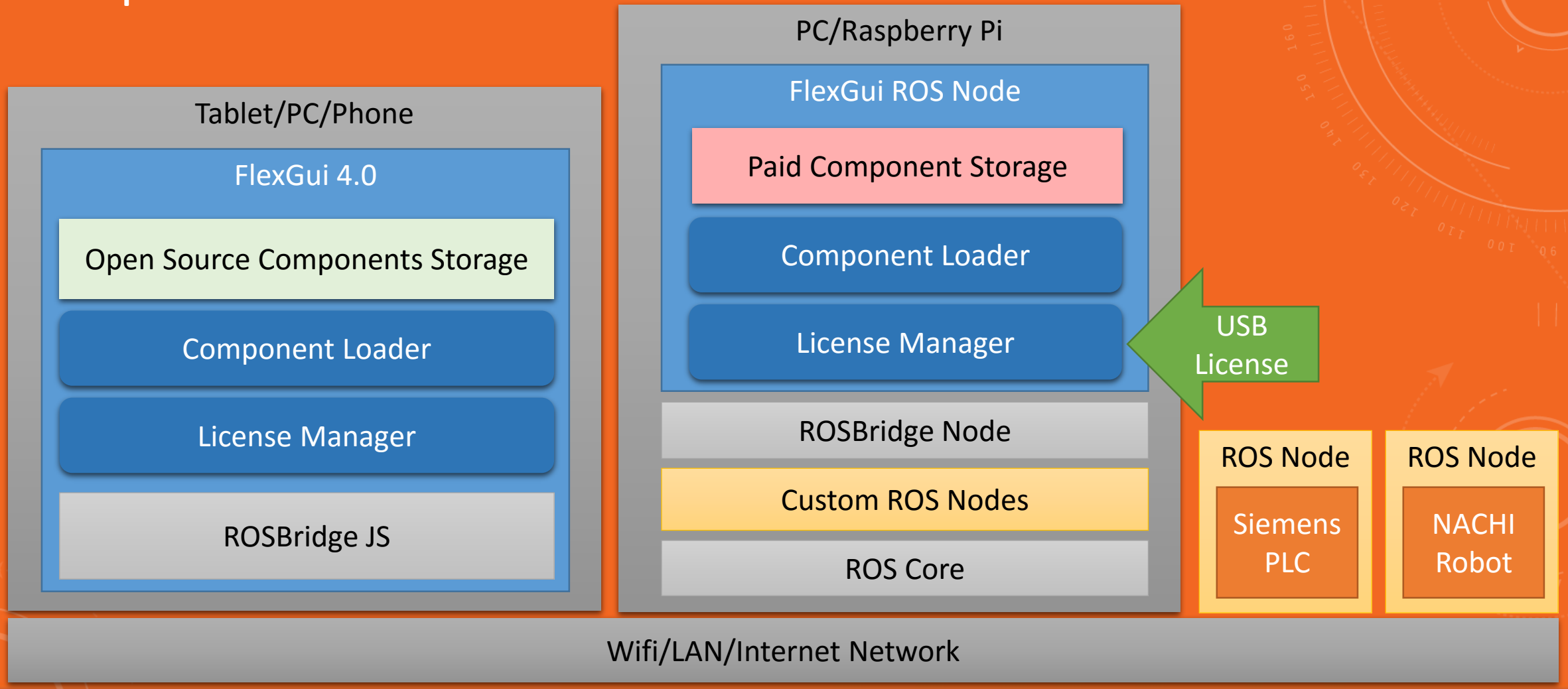
FlexGui 4.0

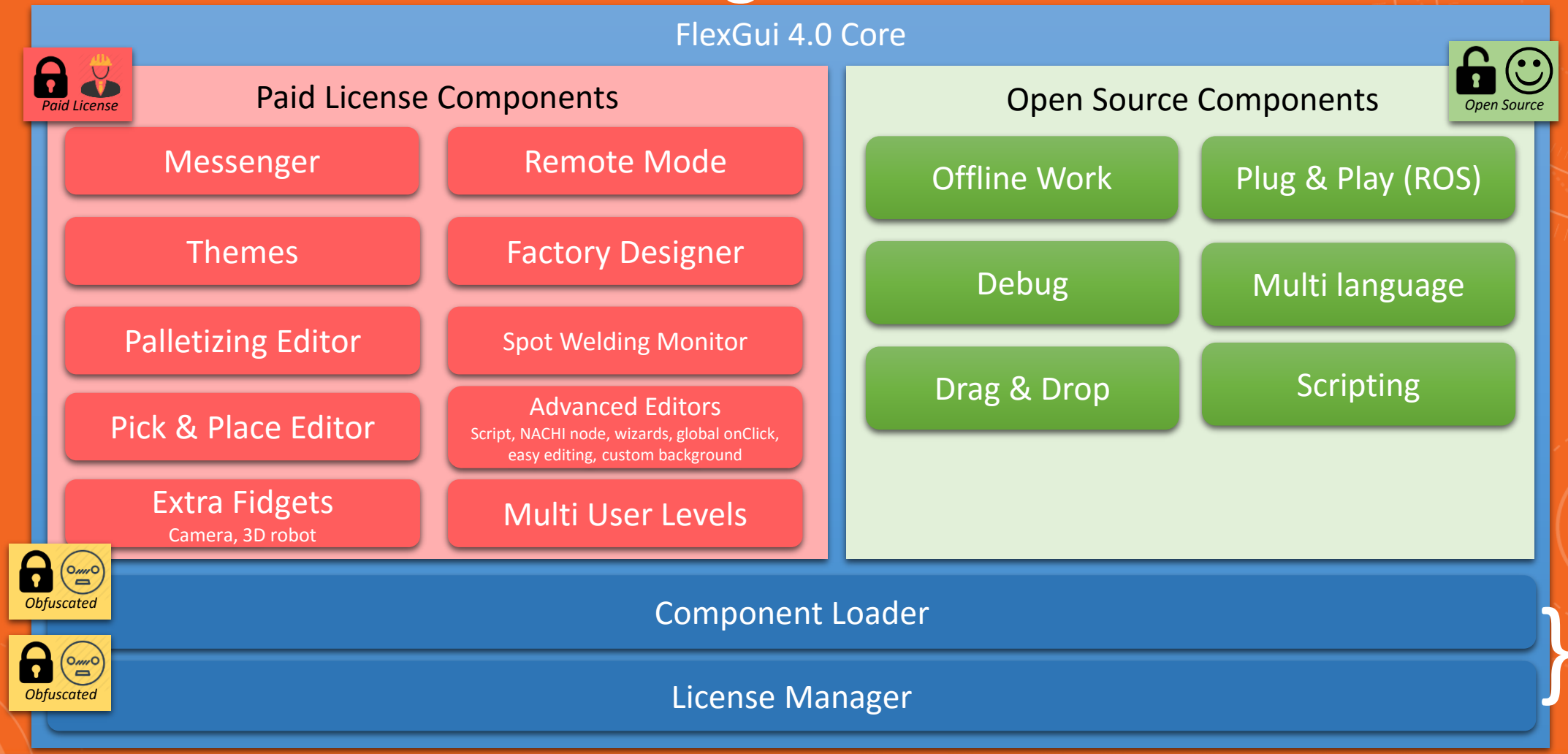
Components, Licenses, Future plans

laszlo.nagy@ppmas.no

Components


Tablet/PC/Phone
FlexGui 4.0
Open Source Components Storage
Component Loader
License Manager
ROSBridge JS
PC/Raspberry Pi
FlexGui ROS Node
Paid Component Storage
Component Loader
License Manager
ROSBridge Node
Custom ROS Nodes
ROS Core
USB License
ROS Node
Siemens PLC
ROS Node
NACHI Robot
Wifi/LAN/Internet Network

FlexGui Professional Plugins



Packages

(preliminary)

Feature	Industrial	Professional	Enterprise
License	☑Apache License	☑Commercial License	☑Commercial License
Offline work	☑	☑	☑
Debug	☑	☑	☑
Drag & Drop	☑	☑	☑
Plug & Play	☑	☑	☑
Multi Language	☑	☑	☑
Scripting	☑	☑	☑
Camera Image Fidget	☒	☑	☑
Advanced Script Editor	☒	☑	☑
Advanced NACHI Node Support	☒	☑	☑
No-Coding Wizards	☒	☑	☑
Global Scripting	☒	☑	☑
Easy editing	☒	☑	☑
Custom Background	☒	☑	☑
Multi User Levels	☒	☑	☑
<48 hour support	☒	☑	☑
Online Expert Support	☒	☒	optional
Optimized Core	☒	☒	☑
Messenger	☒	☒	☑
Remote Mode	☒	☒	☑
Themes	☒	☒	☑
Factory Designer	☒	☒	☑
Alarm Manager	☒	☒	☑
Palletizing Editor	☒	optional	optional
Spot Welding Monitor	☒	optional	optional
Pick & Place	☒	optional	optional
Graphical Program Editor	☒	optional	optional
FDLink	optional	optional	optional

Future plans

- Remote view parallel mode
  - Access the FG project directly from the Expert Site
  - Without VPN connection
  - Work parallel
- JavaScript controller
  - Implement some robot features as a JavaScript library, so the user can make a robot program in FG, then save it to a ROS Node, that runs it and communicates with FG about input/output data
  - Use ROS IK and ROS-I control for robot-independency
- Wizards
  - Insert predefined scripts, so the user only needs to select what he wants, give some params and use it
- Relative Fidget size
  - For better multi-device support the Fidgets could use screen size percentage, and resize with the screen
- Alarm management
  - Define ROS Topic based expressions on the FlexGui Node, send SMS/email/other message when true
- Application packages
  - Palletizing Editor 4.0, Pick & Place Editor 4.0, Spot Welding Monitor 4.0