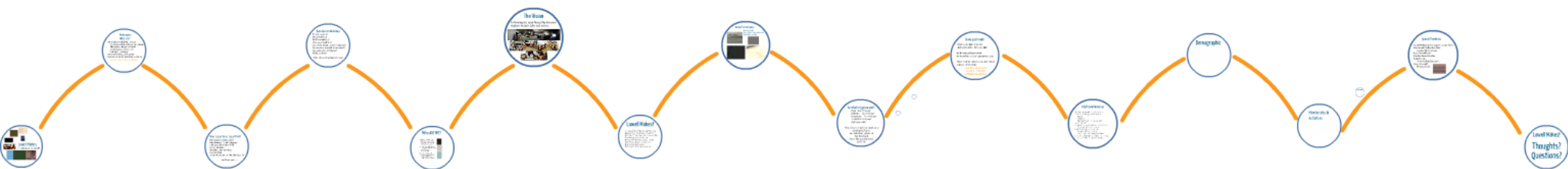
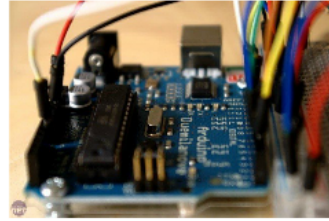


Help Make a Makerspace in Lowell





Lowell Makes

A Makerspace...in Lowell!



Makerspace

What is it?

Community workshop - 501(c)3
Traditional shop tools and machines
Electronics design and build
3-D printing and 3-D CAD
Welding? Cooking?
Community education center
Anyone can teach, everyone can learn

Creative space with physicality

Source:
Makerspace
Wiki

Source:
Makerspace
Wiki

Source:
Makerspace
Wiki



Laser cutting?
Hydroponics?

Sewing?
Weaving?
Fiber Arts?

Brewing?
Winemaking?
Cheesemaking?
Distilling?

Maker Space? Hacker Space? WHAT?

The future of innovation?

The future of Manufacturing?

A place to learn new skills

Start a business

Develop a new product

Fix your bike

Or just hang out and let the ideas fly

Really its just a.....

Open Access Workshop

Do you want to...

Fix something?

Build something?

Change something?

Cut some metal, wood or plastic?

Construct a musical instrument?

Upgrade your computer?

Make a robot?

Then this is the place for you!



Who ARE WE?

Kamal Jain - Internet guru
Operations management
Part-time organic farmer
Builds Arduino cat toys....



Eric Sack - video/electronics
LTC director technologists
Beer Aficionado
Wants to Weld

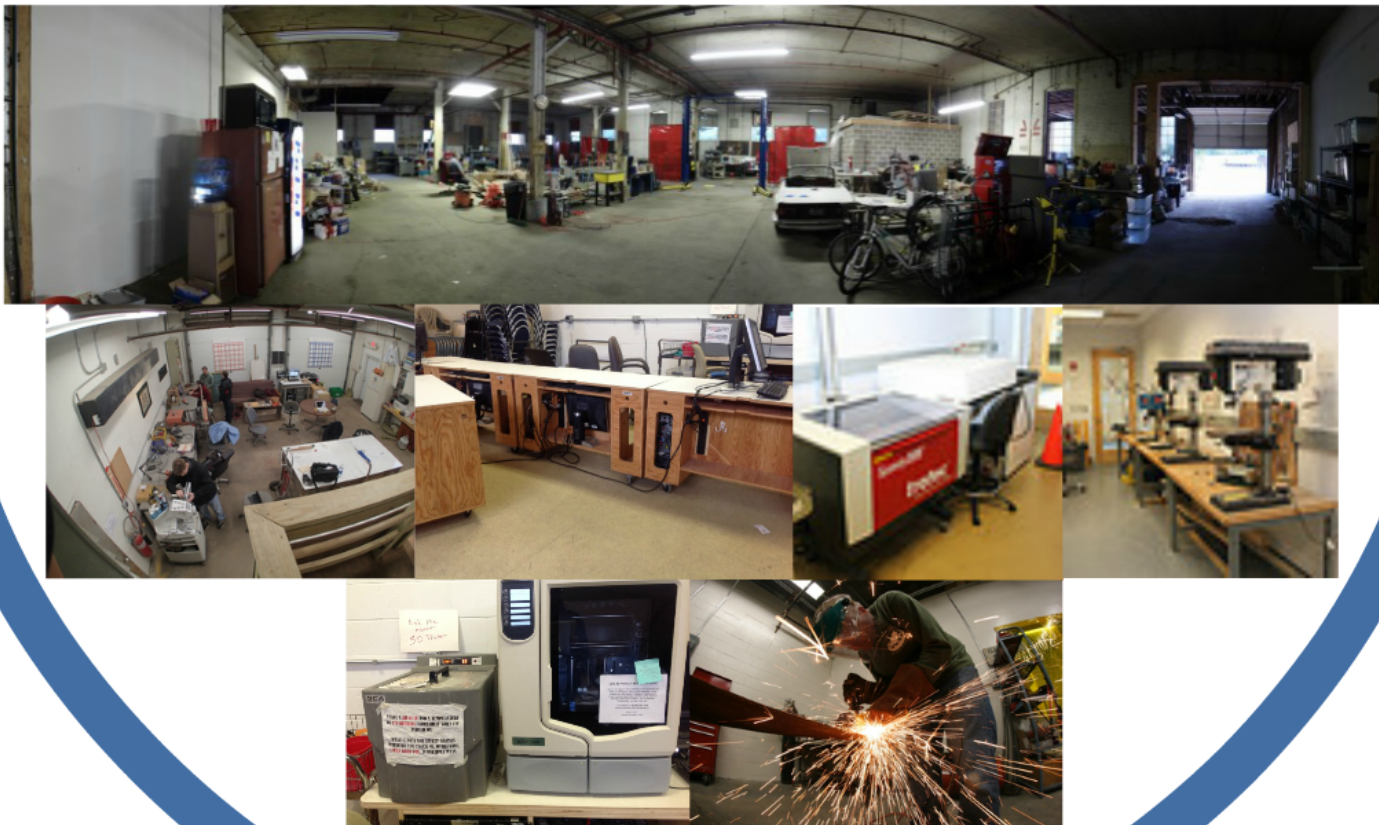


John Noto - Astronomer
Automates observatories
Builds satellite optics
Really wants a 3D printer



The Vision

Following the path blazed by Artisans Asylum, MakeIt Labs and others....



Lowell Makes!

A community of Makers (40-60 folks)
4000 sq-ft, self managed (to start)
Dedicated floor space and benches (\$\$)
Community benches & bins
Bring your own tools (small, hand)
Larger tools would be available
Educational workshops
Paid subscription memberships

Barely finished space

Heating and cooling

Water - bathrooms, slop sink, eye wash

Would build out ourselves



So what's it gonna cost?

Rent \$36,000/year

Utilities \$6,000/year

Insurance \$4,000/year

Total \$46,000/year

~\$3800/month

This is how much we need on a
continuous basis...

No subsidies, grants or
big fat check
from the government.

JUST US

The Makership

- Individual membership fee ~\$90/month
 - 24/7 keycard access
 - Access to all benches, tools and equipment first come first served
 - Discounts for workshops
- Dedicated floor space available
 - \$1/Sq-ft/month
 - U-divide: no walls but panels or “Les Nessman” style
- Dedicated bins & benches available
 - \$TBD but less than floor space ~\$15-\$50/month
- Professional/small business/group
 - \$150/month
 - Dedicated/reserved time
 - Higher volume
- Day Pass for non-members \$25/day

Or maybe...

- Individual membership fee ~\$100/month
 - Money for Lowell Makes to buy and fix things
 - Money to offset reduced rates offered
- Reduced rate ~\$30-70/month based on need
 - Marginal costs per member are fairly low
- Family ~\$150/month
 - Parent/Guardian must accompany minors
- Business/group ~\$200/month
- Institution ~\$300/month
- Weekly \$100
 - 24x7 access for 7 consecutive days
 - limited space rental options
- Weekend \$50
 - daytime access only
 - no space rental

Some quick math

Total costs \$46,000/year
~\$3800/month - let's say \$4k

At \$100/member/month,
40 members cover operating costs

There will be other costs and other
sources of revenue

Let's line-up about 12
months of funds
available at signing

Additional Revenue

Workshops-15-25% of total revenue!

Local Fundraising-usual suspects

- Banks

- Lawyers

- Bake sale? 3-D printed candy?

Governments?

CrowdSourcing-KickStarter or IndieGoGo

- Fundraising for equipment

Small and large corporations

- Donate used equipment

- Discounts on software/hardware

Commercial sales/spin-offs/short run mfg.

- Future possibilities are endless.....

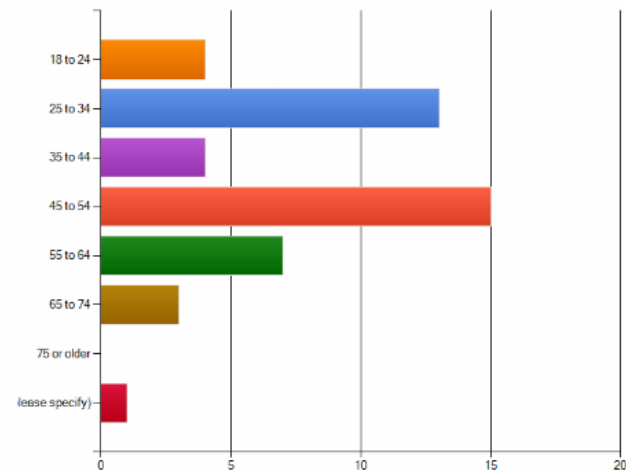
Demographic

What is your gender?

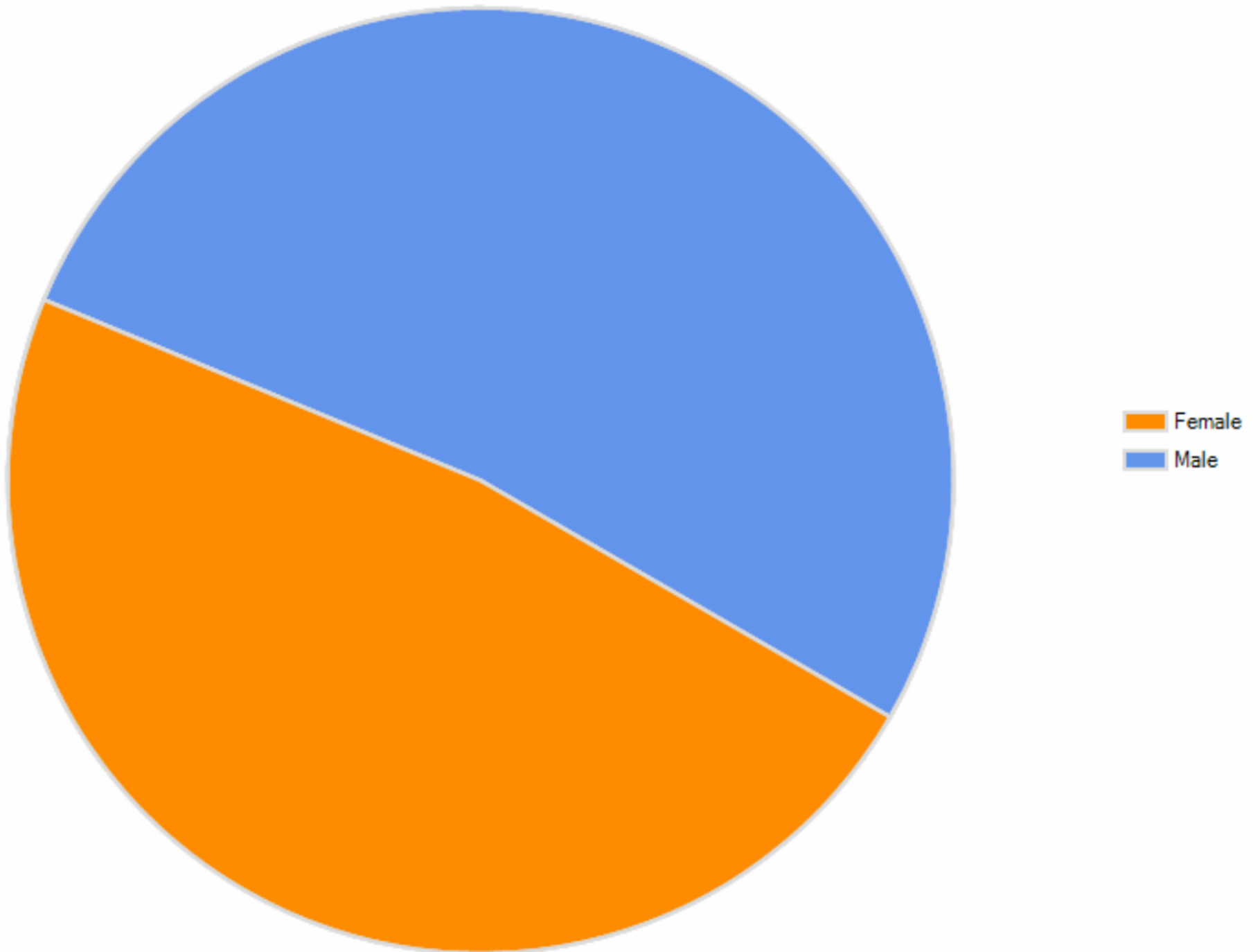


Female
Male

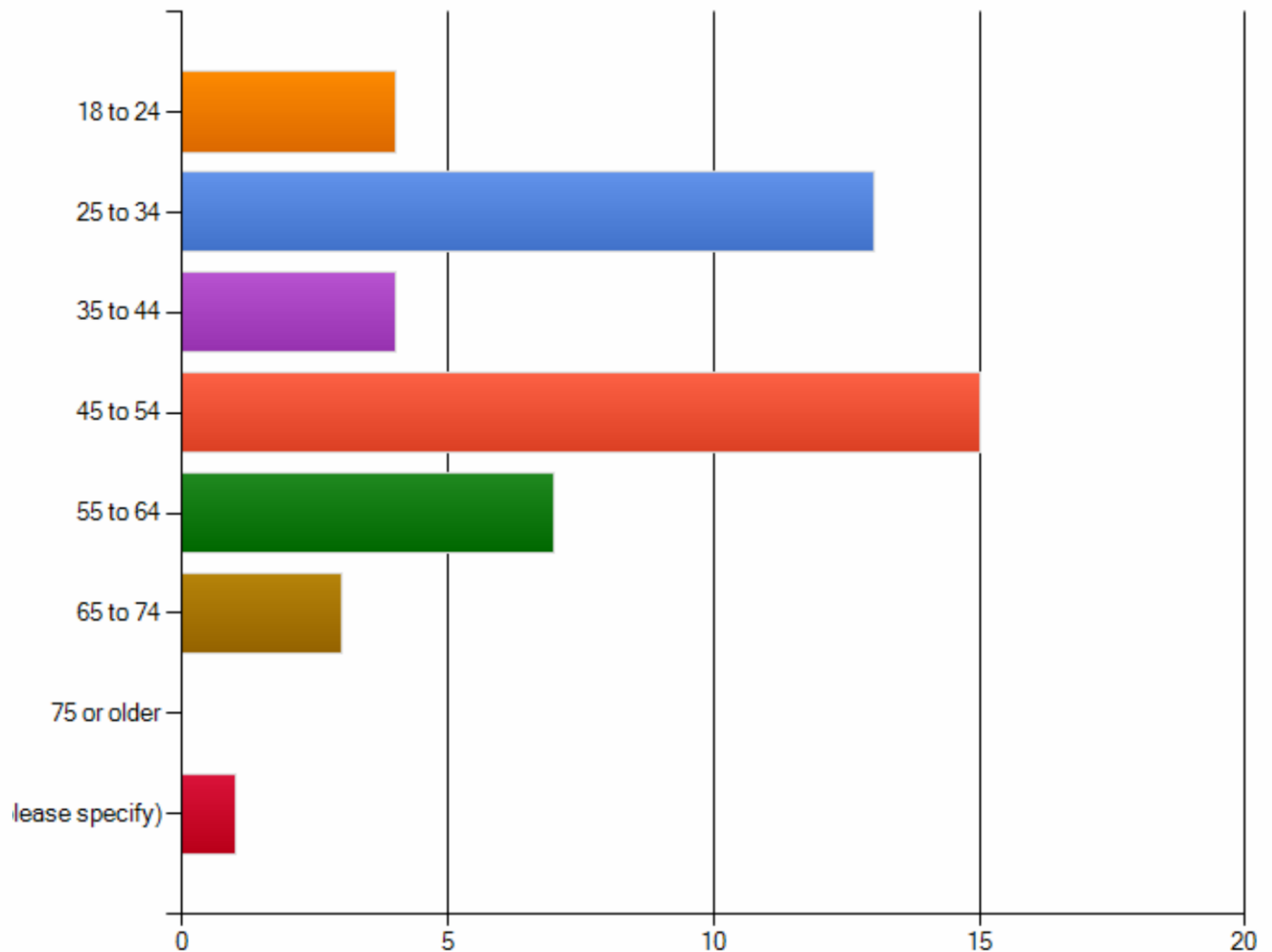
What is your age?



What is your gender?

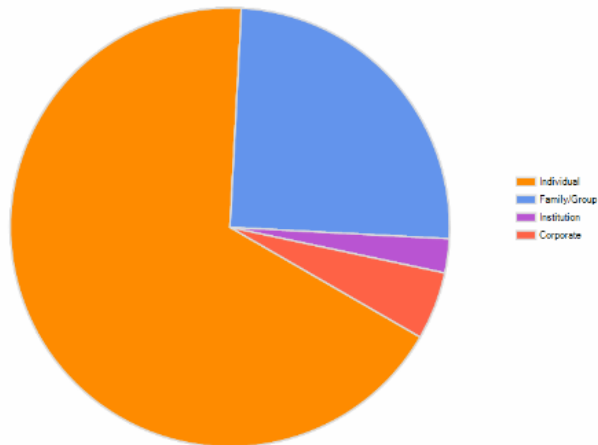


What is your age?

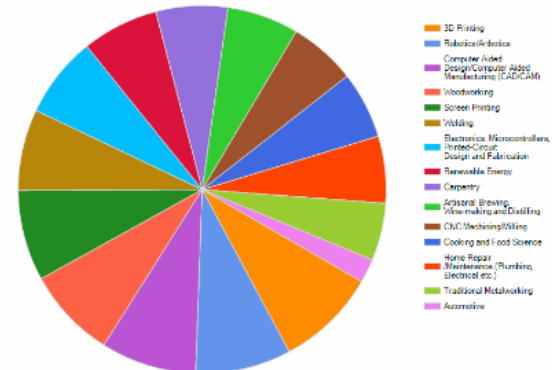


Membership & Activities

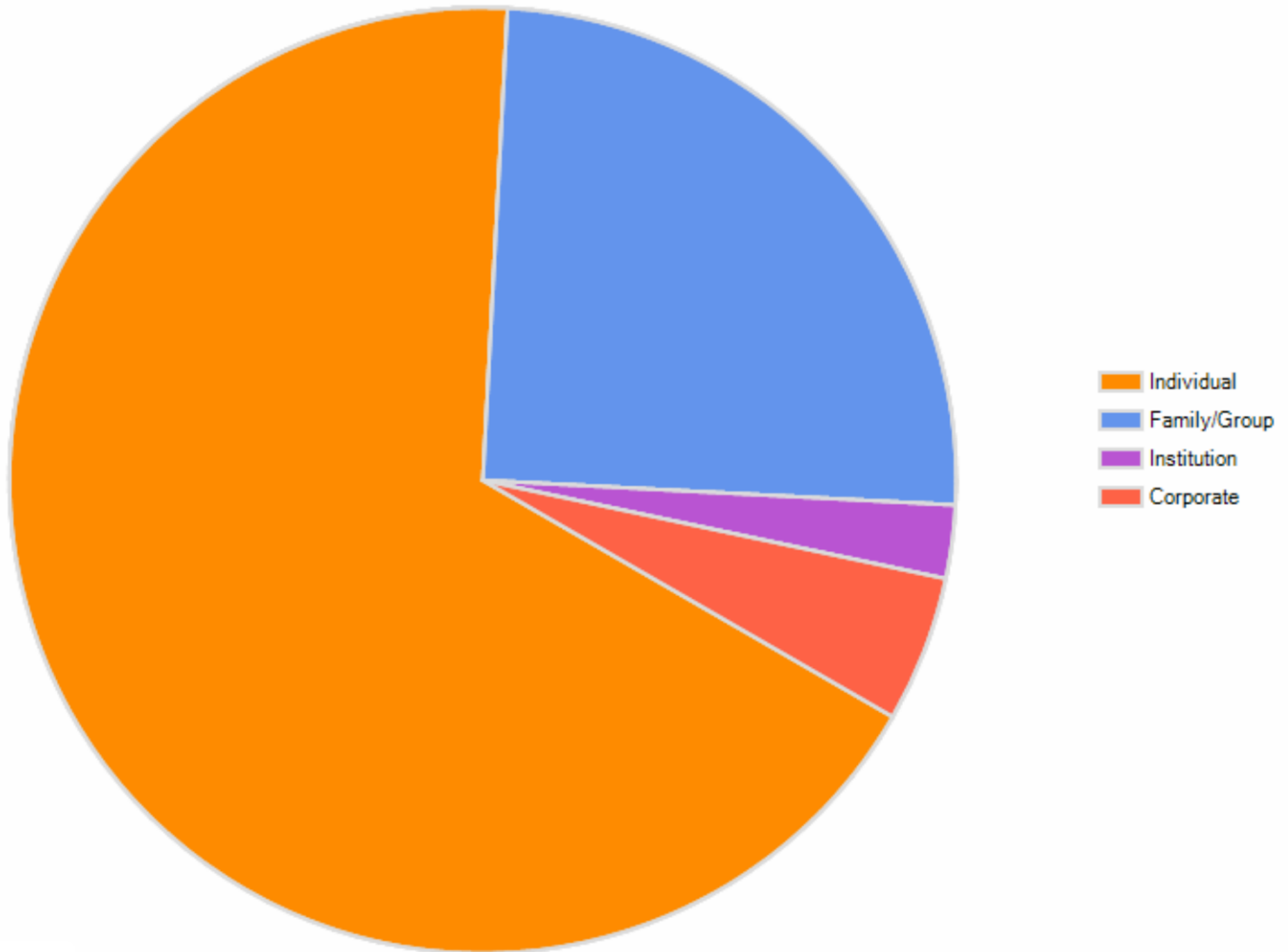
What kind of membership would you be interest in?



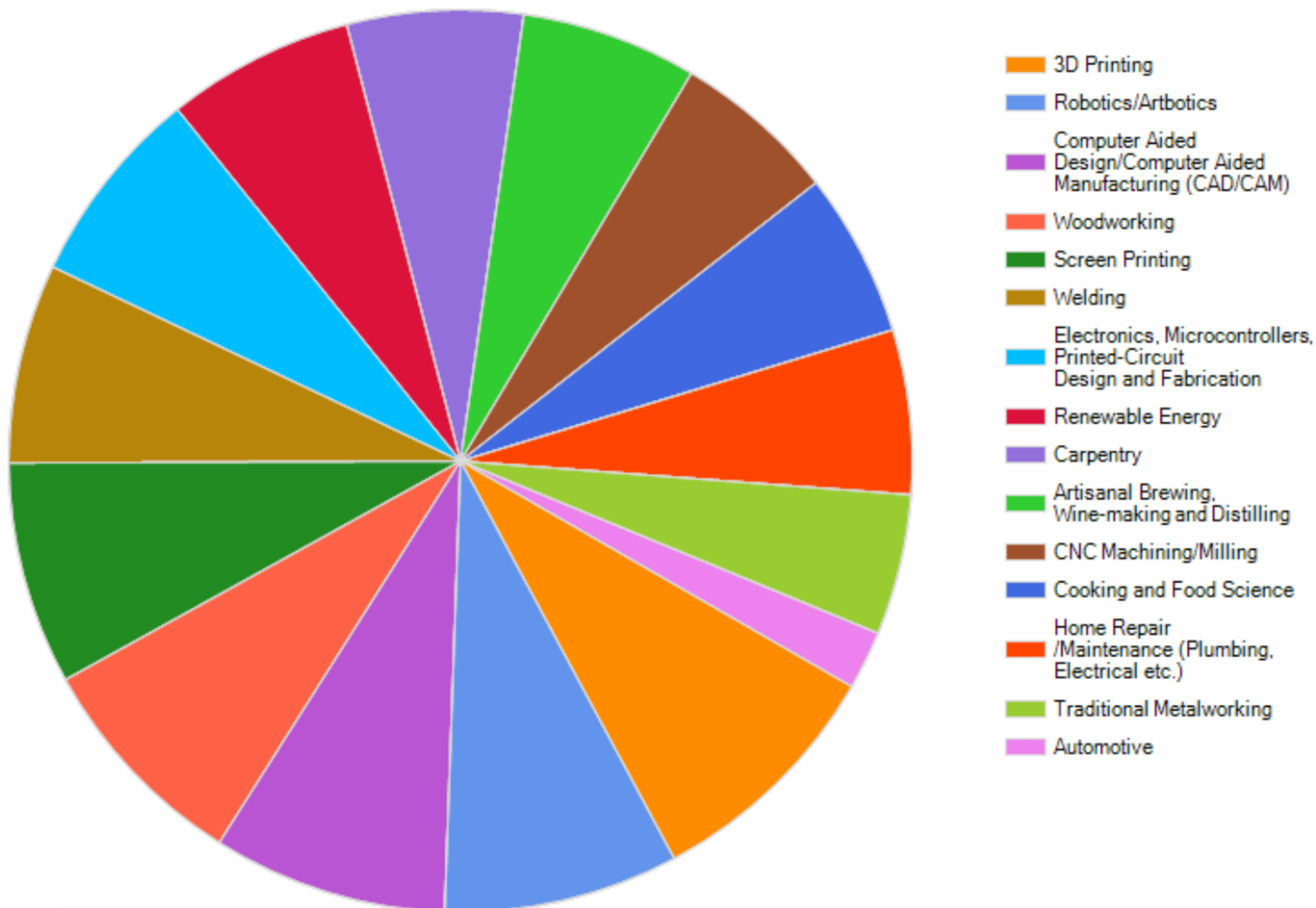
Select what kind of Activities and/or Workshops are you would like Lowell Makes to have?



What kind of membership would you be interest in?

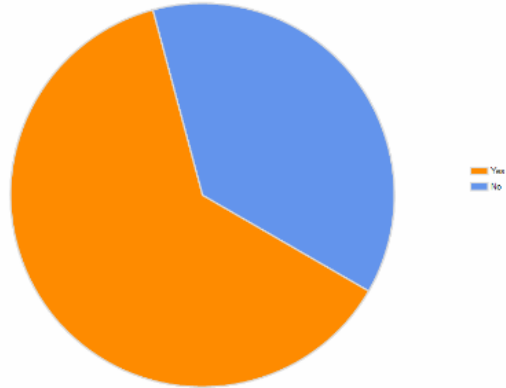


Select what kind of Activities and/or Workshops are you would like Lowell Makes to have?

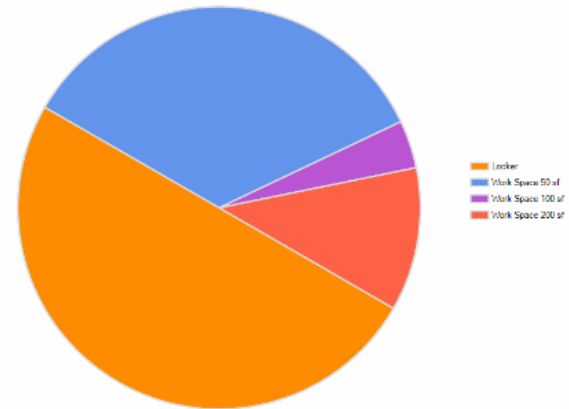


Space rental

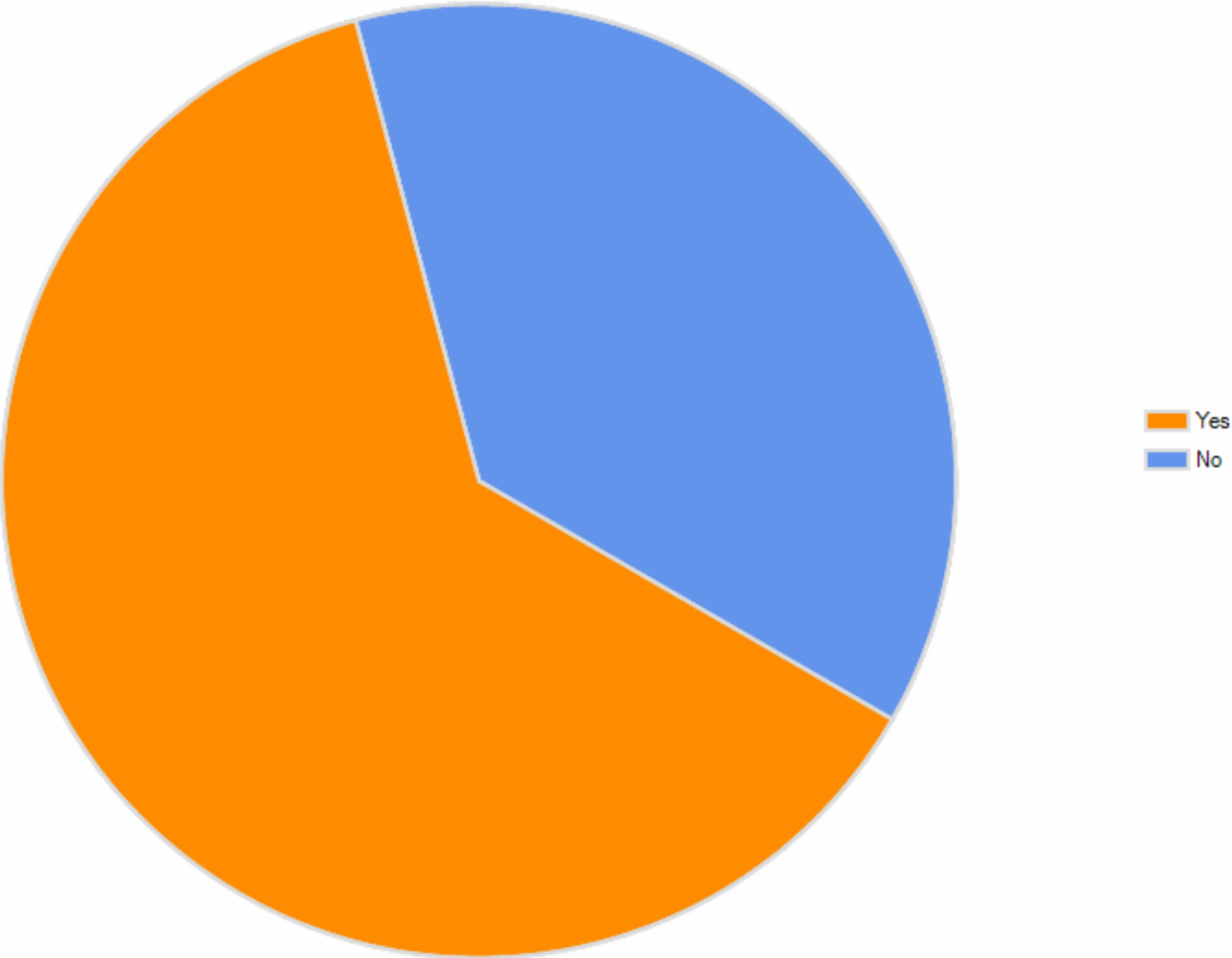
Would you rent space and/or storage for your own projects at Lowell Makes?



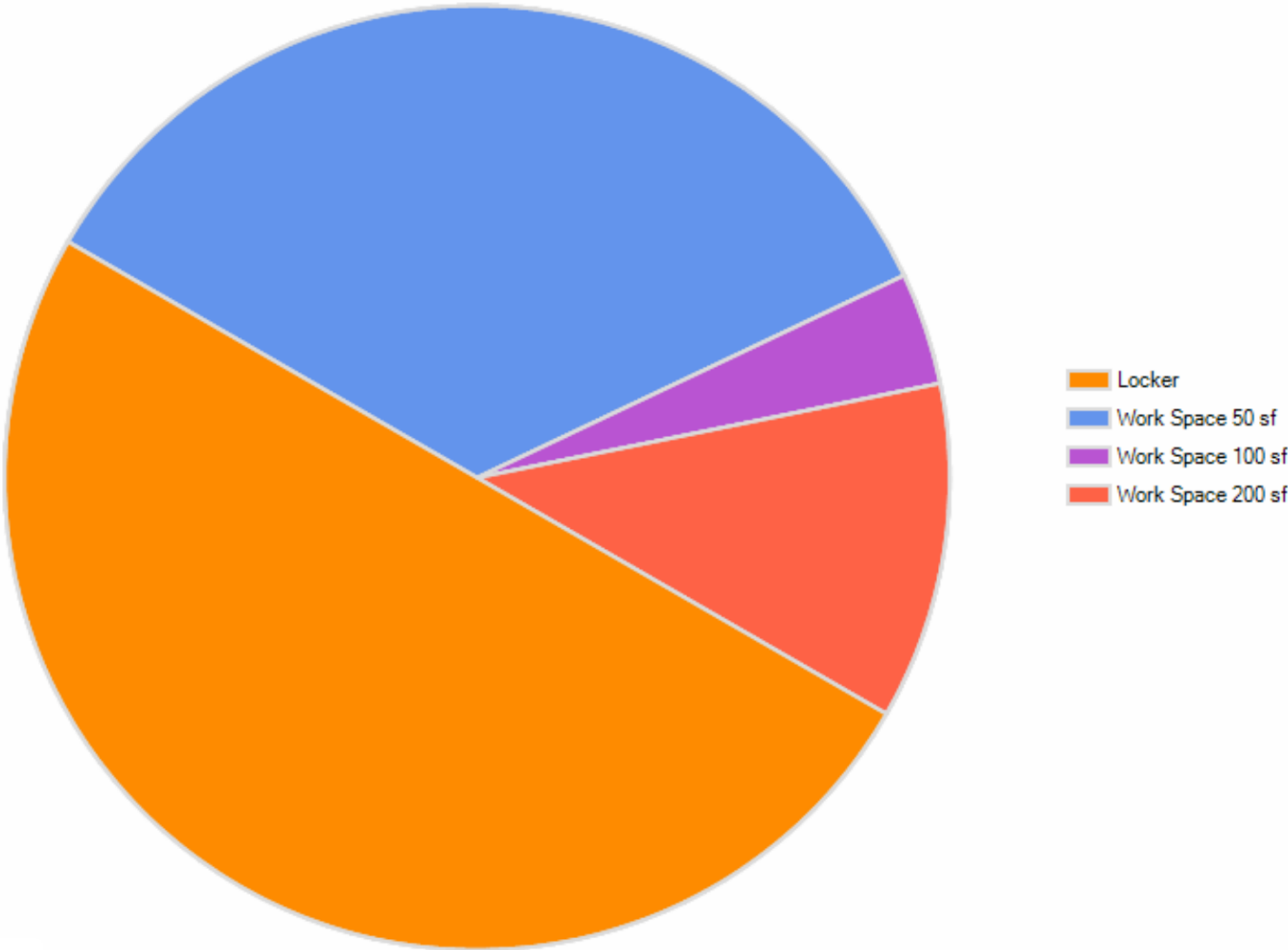
Select what size space you would most likely rent?



Would you rent space and/or storage for your own projects at Lowell Makes?



Select what size space you would most likely rent?



Special Thanks to:

Lowell Telecommunications Corp (LTC)

Merrimack Valley Sandbox

Leadership Institute

BrandLowell.com

Market Street Market

MakeIt Labs

www.makeitlabs.com

City of Lowell

Theresa Park





Lowell Makes!

Thoughts?
Questions?