Technoport's FabLab
How to combine open design & rapid prototyping
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IP – DIGITAL FABRICATION – BLOCKCHAIN
WHAT DO WE SEE/DO
@TECHNOPORT
1. Who are we & what do we do
2. IP examples in our business
   - Incubator
   - Fablab – digital fabrication laboratory
   - Hackathons / Digital Experience Studio
3. The *Spectrum* project and how does blockchain fit into this?
4. Conclusions
1. Who are we & what do we do
Business Incubator for technology-oriented companies
We run our own coworking space and digital fabrication laboratory
Host +/- 40 startups from software to hardware and industrial applications
As of today 125 formally approved startups out of which 16 got acquired by larger corporates.
Technoport®
business incubator | coworking | fab lab

Who are we

Technoport proud being ranked #7 within World Top 10 University Associated Business Incubators in 2015!
Who are we
2. IP examples in our business
A. The incubator
Goes from patents to industrial secrets
Unique all-in-one Junker vibration and torque tension test machines for research and development and sales presentations.
WEINIG scanner systems: Recording everything at a glance

Fully-automatic high-performance lines are being used increasingly in modern wood processing, even in raw wood cutting. An upstream scanner is an integral component of the overall system. The scanner records the relevant timber data on all sides in the blink of an eye (branches etc.) and supplies this to the downstream main machines, such as rip saws and optimizing cross-cut saws at full production.
**Neovalens** (IT security software development company) got acquired by Desktop Standard (US)
The acquirer asked the company to file a patent in the US before closing the deal
Desktop Standard got acquired by Microsoft a few months later.
B. The FabLab
Concept coming from MIT
Sharing but not only
A place where ideas, tools and community come together

Fab Lab Luxembourg is open to everyone who wants to join the maker movement.

FABRICATE
Materialize your ideas with our machines. From digital fabrication tools to electronics, build (almost) anything.

LEARN
Learn the tools to operate the machines and to create your own designs. We offer workshops with up to date content.

SHARE
A culture of sharing is at the heart of any maker. Join a vibrant community of like-minded makers all over the world.

Available Tools
Workshops & Training
The Community
Open access hours: projects are documented

Own projects:

OSCar-v1: developed for our FabLabKids workshops

https://github.com/FabLab-Luxembourg/OSCar-v1
C. The coworking
Helped us develop hackathons and communities around # topics
Example: an active digital creative community
Initiated through hackathons & tech events
3. The *Spectrum* project & how does blockchain fit into this?
IP management in digital creative industries life cycles
Optimising the rights management (Sharing & trading rights)
Digital Music Creation Life-cycle

Creation
- Solo artist recordings
- Collaborate with vocal performer
- Co-author raw track (EP)

Production
- Both creators sign production deal with label
- Studio record mix and mastering

Distribution & Marketing
- Publishing tracks on D-music platforms

Revenue management
- Collecting royalties (¥€$)
  - On online sales
  - On concert deals

Need end to end rights management with real time revenue sharing
Collaborating with field actors and testing POC (Proof of concepts) projects

i.e: Spectrum project
Addressing the different states of sound “visible, audible, touchable, protectable”
The 3 individual sound-waves/IPS are combined to produce a unique music track (Shared IP).

Drums: With an app
Vocals: With audio mic
Synthetized sound: With touch screen synthesiser

The sound wave of the unique music track (Shared IP) is materialised thought laser cut technology (i.e smart contract)
Demo of an end-2-end rights management demonstrator with real time revenue sharing capabilities (smart royalties)

Tests with blockchain technologies are ongoing with local partners.

Demo @24hrs Electronics Rockhal
06/05/17
4. Conclusions
IP management has always been a hot topic in the three activities we run at Technoport (incubator, FabLab and hackathons/DX Studio).

There is no ‘one unique way’ but you need to think about your IP.

If you are interested in a good movie on the evolution of the 3D printing industry then check “Print the Legend” on Netflix!

And if you are into the optimization of the management of digital IP rights / digital content contact us.
Thank you for your attention!

Follow our activities

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