

Proposition for BG14B top floor

SKY GARDEN

- Edible, organic, pesticide free and non GMO food produced
- Improvements in physical and mental health
- Place of gathering, learning and sharing new ideas
- Starting point for new agro tech industry
- Eat where you grow
- Ecological awareness
- Accommodate both extroverts and introverts
- Have you ever tried Norske jordbær in the middle of winter?

WHAT?

High tech indoor garden where edible plants would be produced. With usage of hydroponic systems that combine artificial intelligence and robotics there would be self sustained system that could produce food all year long independently of external factors like seasons, temperature and light. All plants would be non GMO, no pesticides would be used and they wouldn't require washing. System would be made in architectural way where most of materials would be natural with architectural floor planing keeping in mind light distribution and air flow. System would consist from modular racks and domes (shown in pictures) and possibility to move them, add new or remove existing. System would be accompanied with small restaurant/bar/market where fresh produce would be served that would bring to economic viability.

WHO?

A startup company called Agro Technologies AS could design, develop, make and service those kind of systems. Universal Robots AS could be used for automation. Norges miljø og biovitenskapelige universitet and UiO could be part of it for research and studies. Norges Bondelag could also be part of it.



WHY?

If we create psychologically safe spaces physically and interpersonally, we will drive radical candor, which will drive innovation, it will facilitate creativity and enhance our abilities to bounce and critique ideas quickly. Since we are based in Oslo, a city that experiences very little sunlight during its long winter, soaking any space with light isn't easy, but it is important for mental health. Studies have found that exposure to natural light promotes better sleep and more physical activity. Hydroponic lights are full spectrum and are very pleasant for people because they provide light frequency similar to day light. Research demonstrate thar people surrounded by plants and light are 15 percent more productive and 60 percent less stressed. Garden would be ideal place for all employees in building to come to relax and eat healthy. Visitors would also get a chance to experience food production first hand, learn how to produce food locally and be a part of new ecological movement,. They would also familiarize them self with AI and robots and would learn how they can help with modern agriculture. Schools could organize trips to teach students about new technologies and universities could use data for further studies. With massive urbanization of our city it is time to show that it doesn't have to be on expense of destroying nature but integrating it in our urban lifestyle.