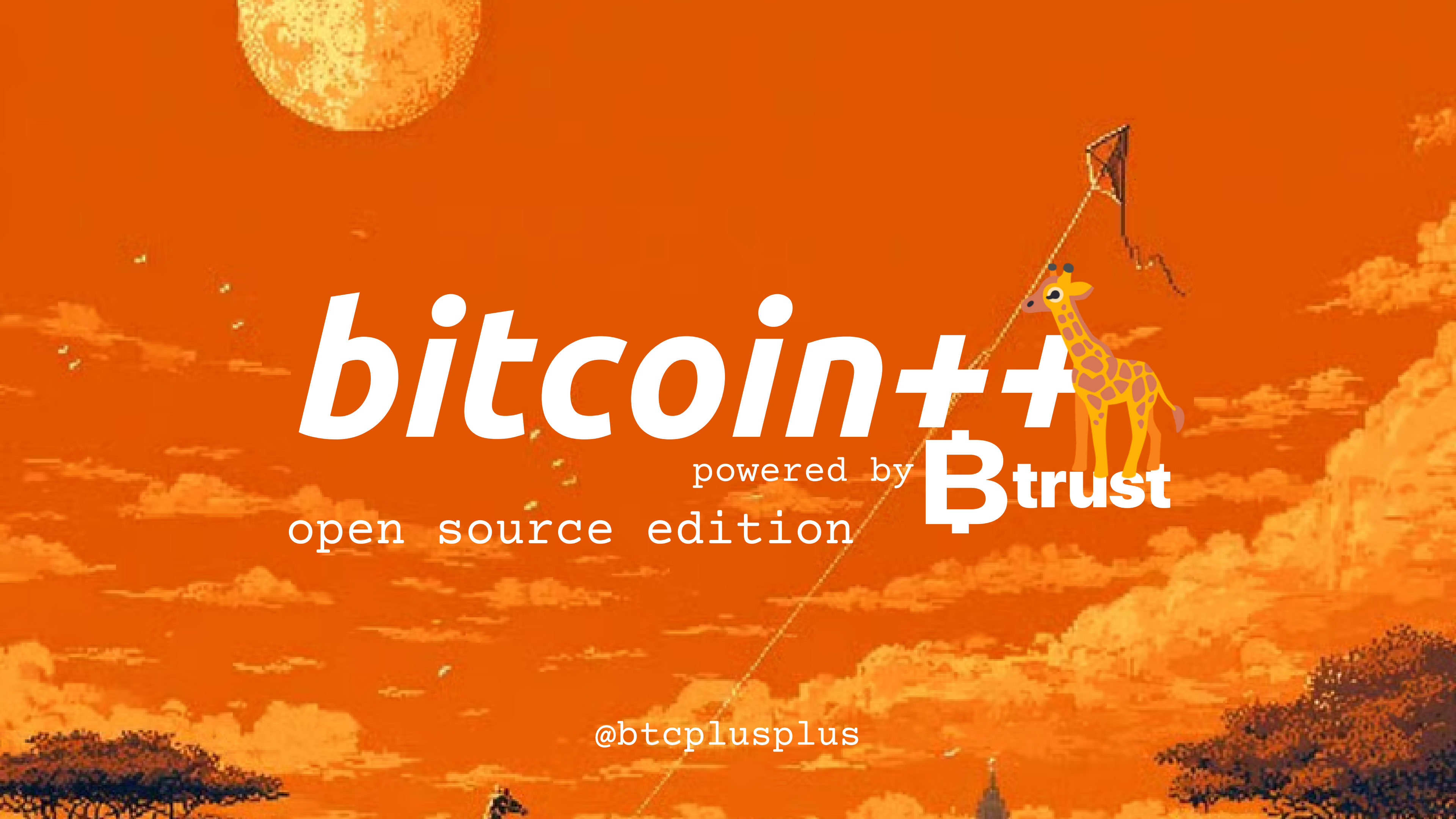


bitcoin++

btcpp.dev





bitcoin++

powered by **Bitcoin**

open source edition

@btcplusplus





bure kama ilivyo katika
uhuru, si bia



TM

four essential
freedoms

The freedom to run the
program as you wish, for
any purpose (freedom 0).

The freedom to study how the program works, and change it so it does your computing as you wish (freedom 1).

Access to the source code is a precondition for this.

The freedom to redistribute
copies so you can help others
(freedom 2).

The freedom to redistribute
copies ~~so you can help others~~
(freedom 2).

The freedom to distribute copies
of your modified versions to
others (freedom 3).

four essential
freedoms

the users have the freedom to
run, copy, distribute, study,
change and improve the software

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Bitcoin: A Peer-to-Peer Electronic Cash System

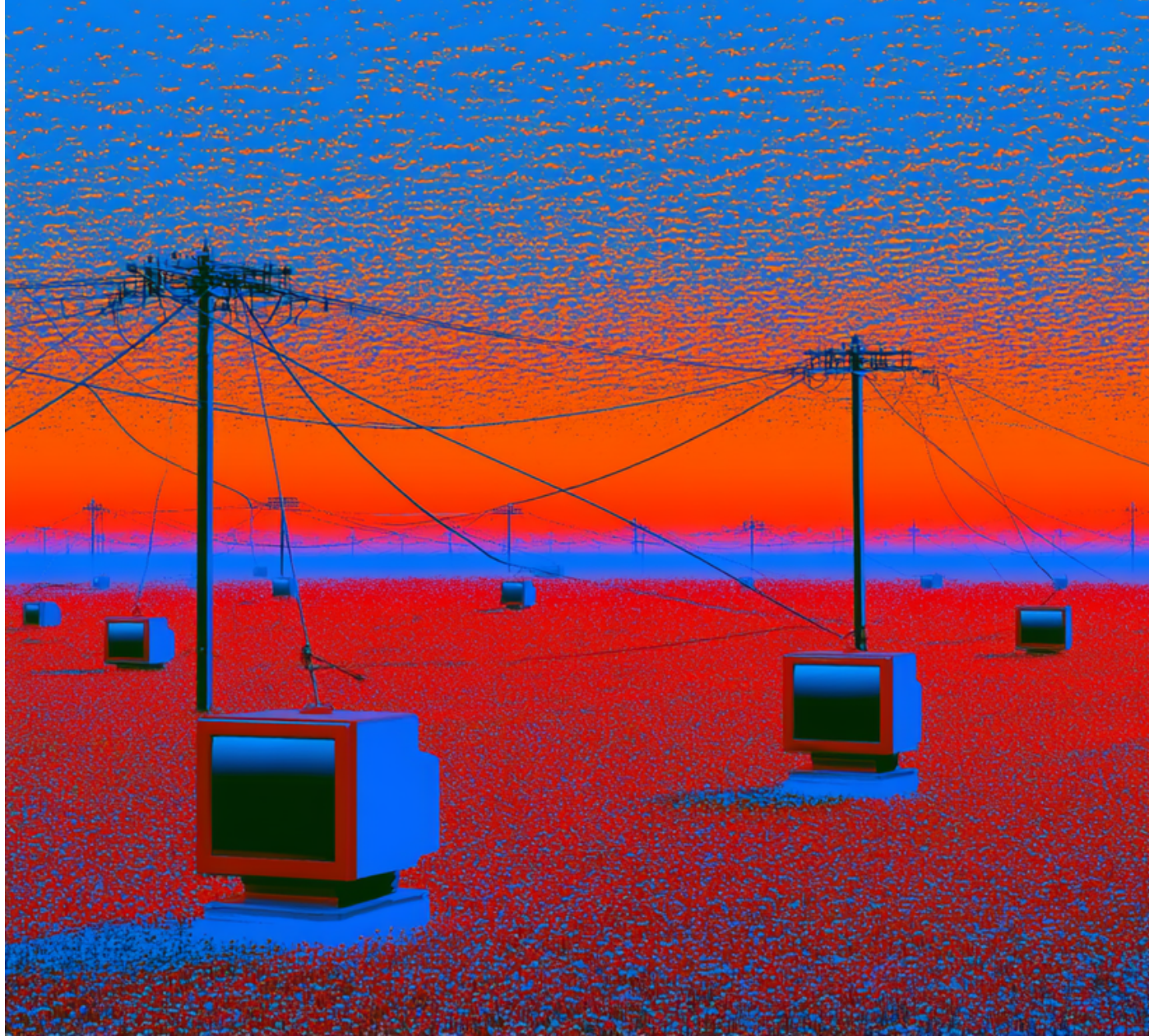
Satoshi Nakamoto
satoshin@gmx.com
www.bitcoin.org

Abstract. A purely peer-to-peer version of electronic cash would allow online payments to be sent directly from one party to another without going through a financial institution. Digital signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a peer-to-peer network. The network timestamps transactions by hashing them into an ongoing chain of hash-based proof-of-work, forming a record that cannot be changed without redoing the proof-of-work. The longest chain not only serves as proof of the sequence of events witnessed, but proof that it came from the largest pool of CPU power. As long as a majority of CPU power is controlled by nodes that are not cooperating to attack the network, they'll generate the longest chain and outpace attackers. The network itself requires minimal structure. Messages are broadcast on a best effort basis, and nodes can leave and rejoin the network at will, accepting the longest proof-of-work chain as proof of what happened while they were gone.

1. Introduction

Commerce on the Internet has come to rely almost exclusively on financial institutions serving as









NYDIG

Pioneering the future of Bitcoin
nydig.com



Human Rights Foundation

Uniting the world to stand against tyranny

hrf.org



 stak

A warm, orange-toned sunset scene. A large, bright sun is in the top left corner. A kite with a long tail is flying in the sky. The bottom of the image shows silhouettes of trees and a building against the horizon.

[[alloc] init]

announcements



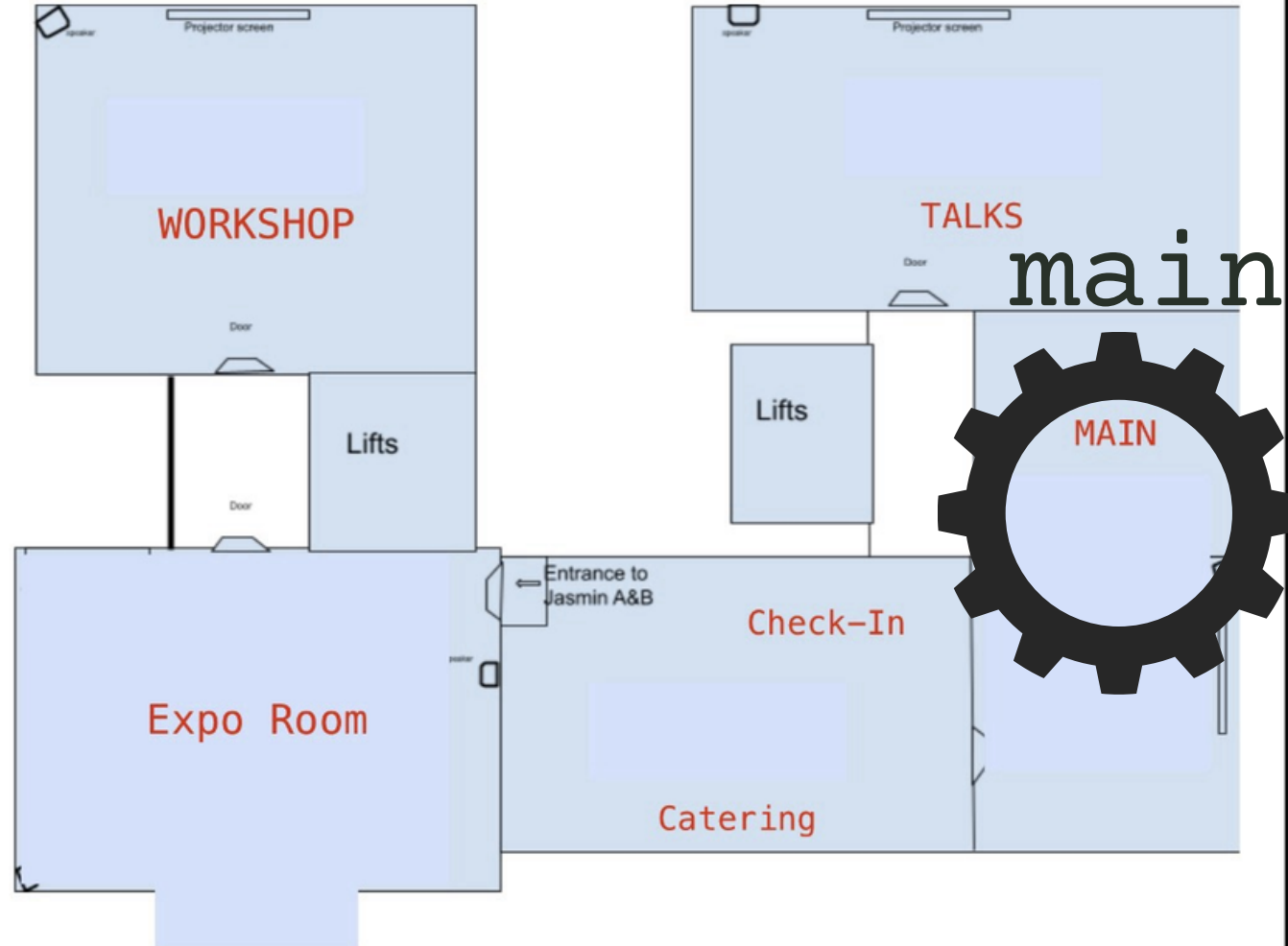
who hacks?

everyone hacks

??M+ sats in prizes

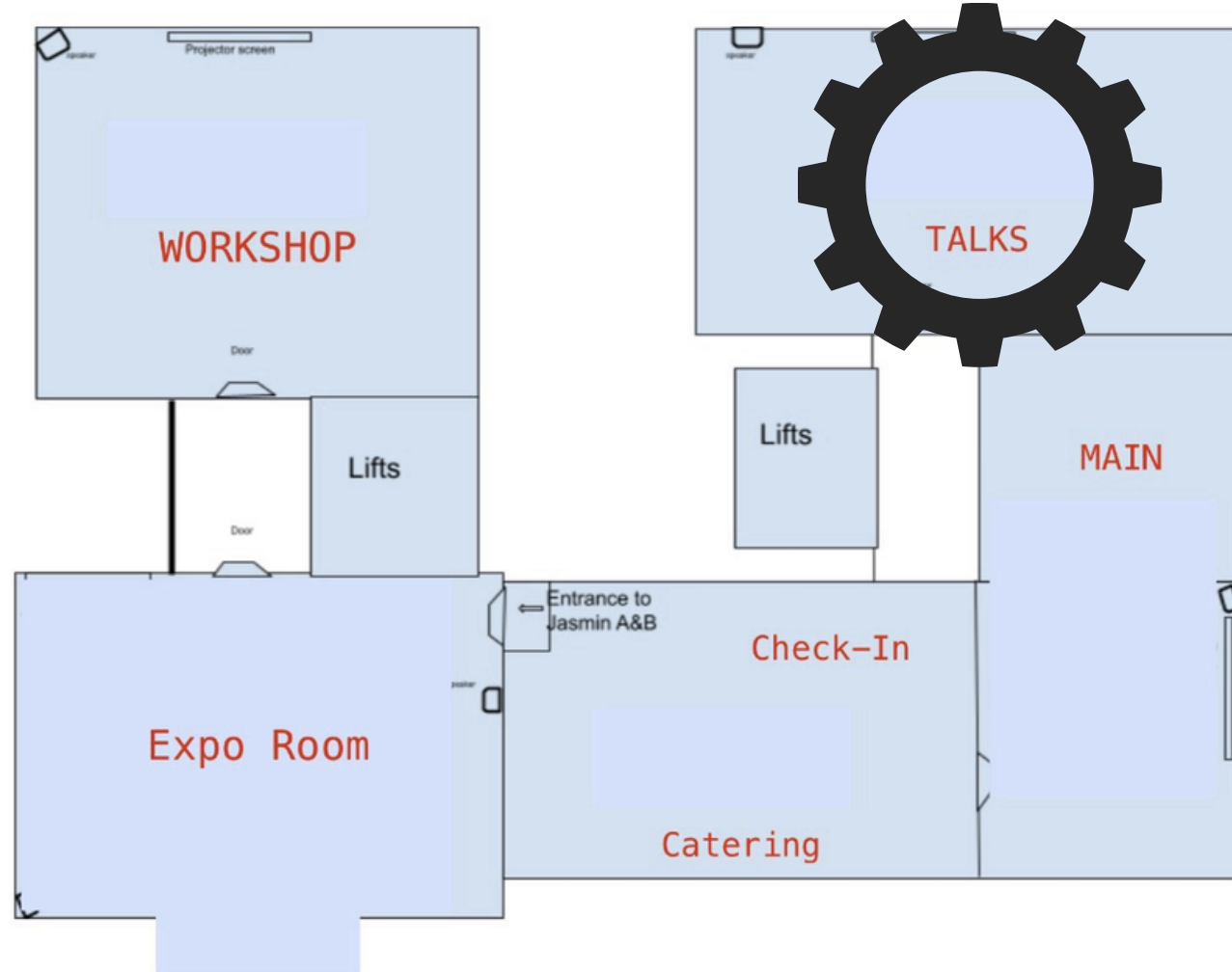


kickoff @ 3pm

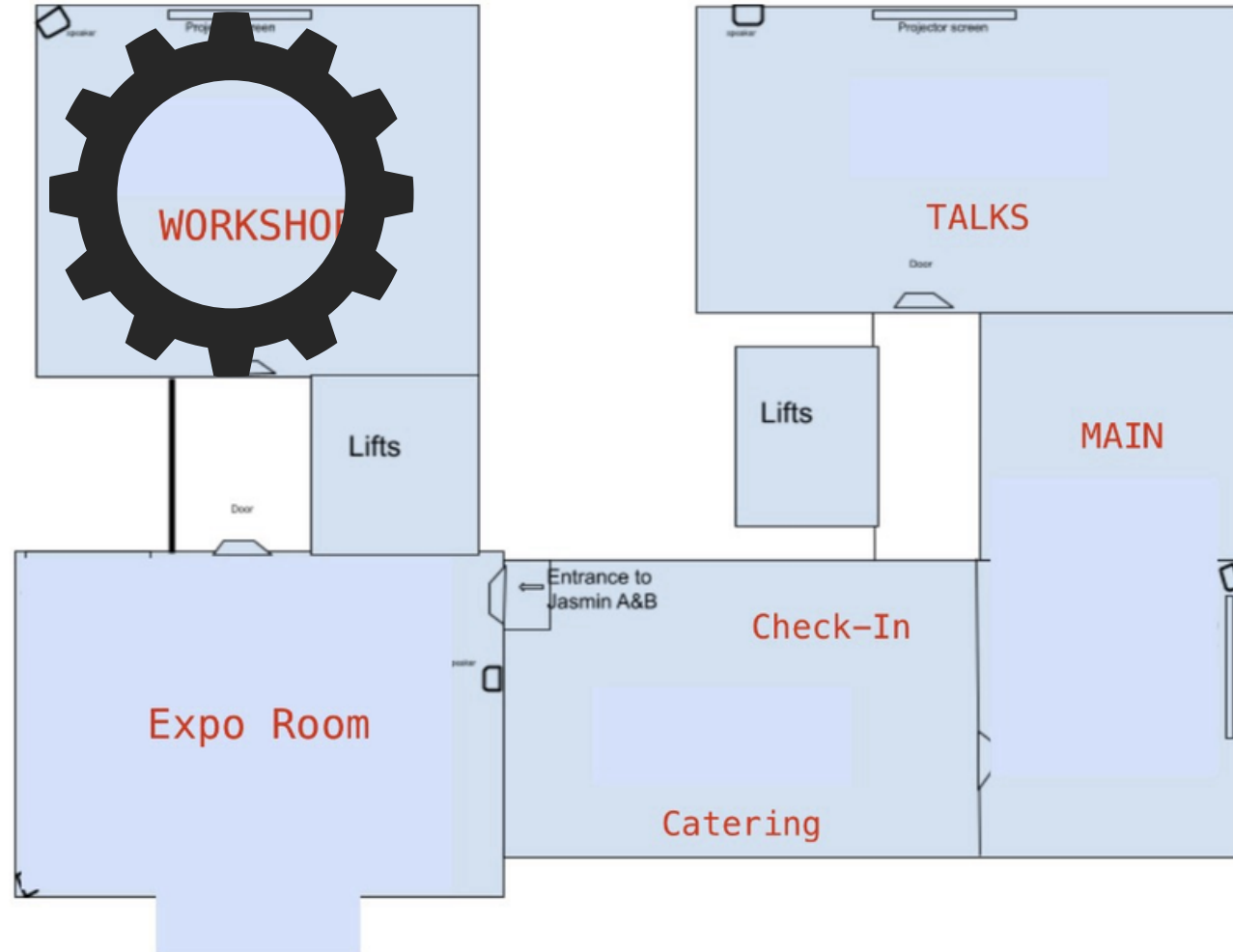


main stage

talks stage



workshop stage



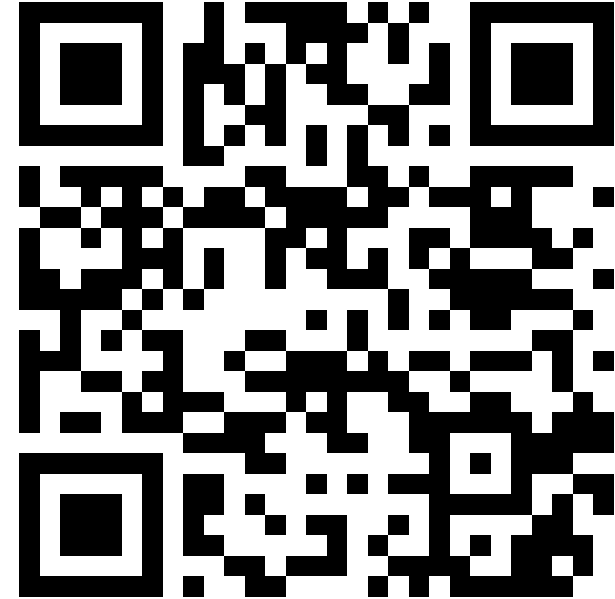
lunch is
downstairs
(G)



**NO PHOTOS
PLEASE**

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Telegram



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