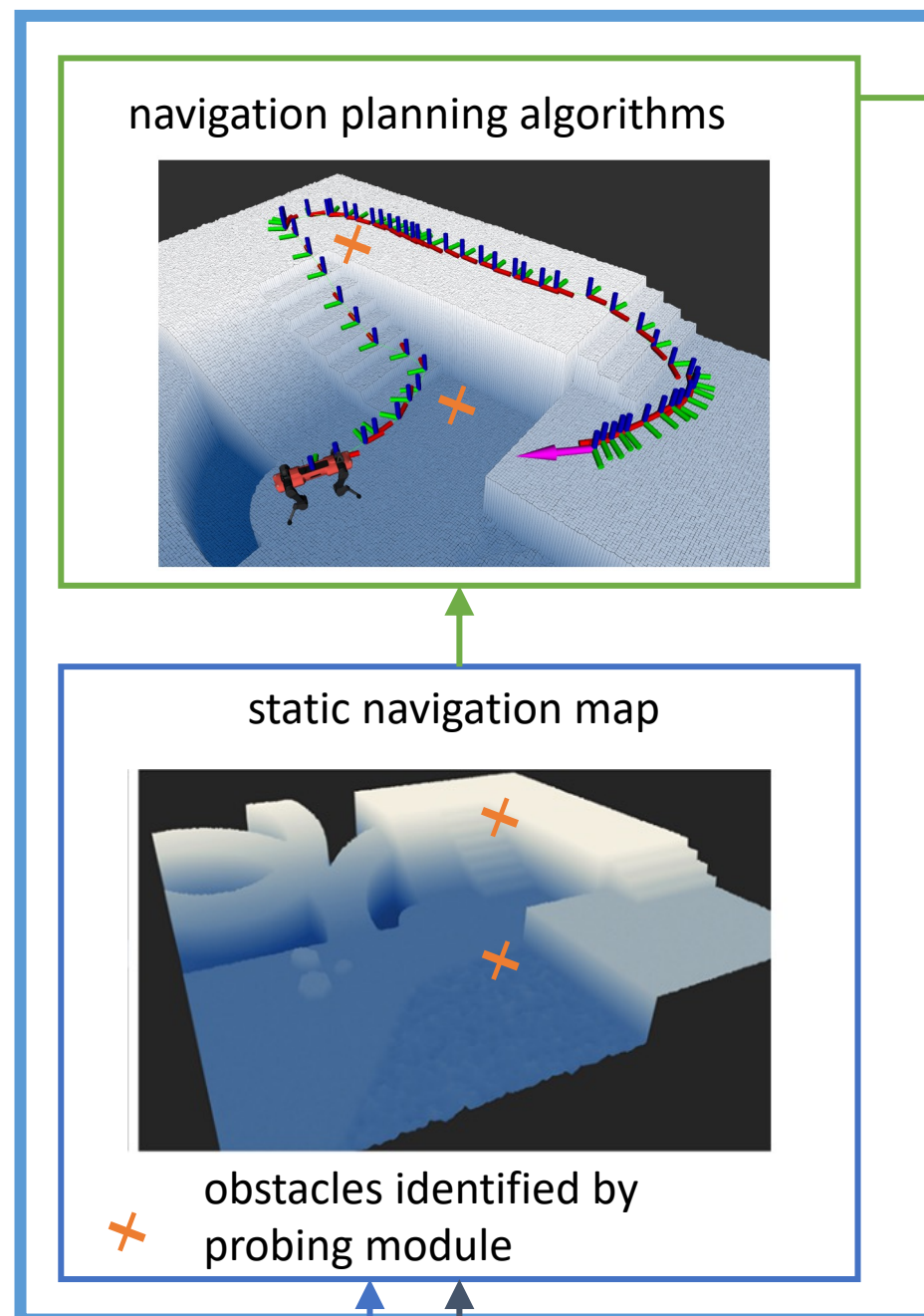
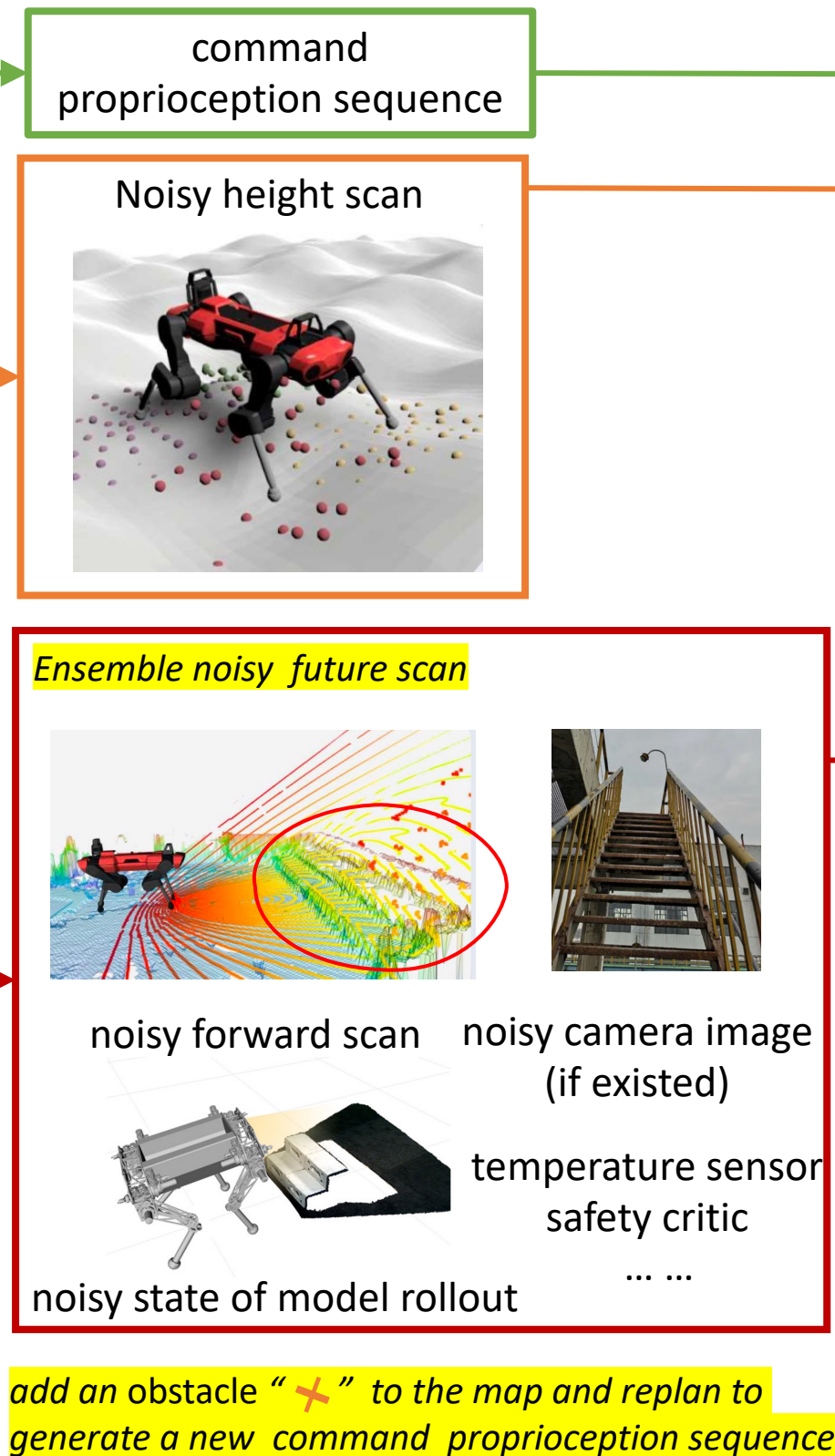
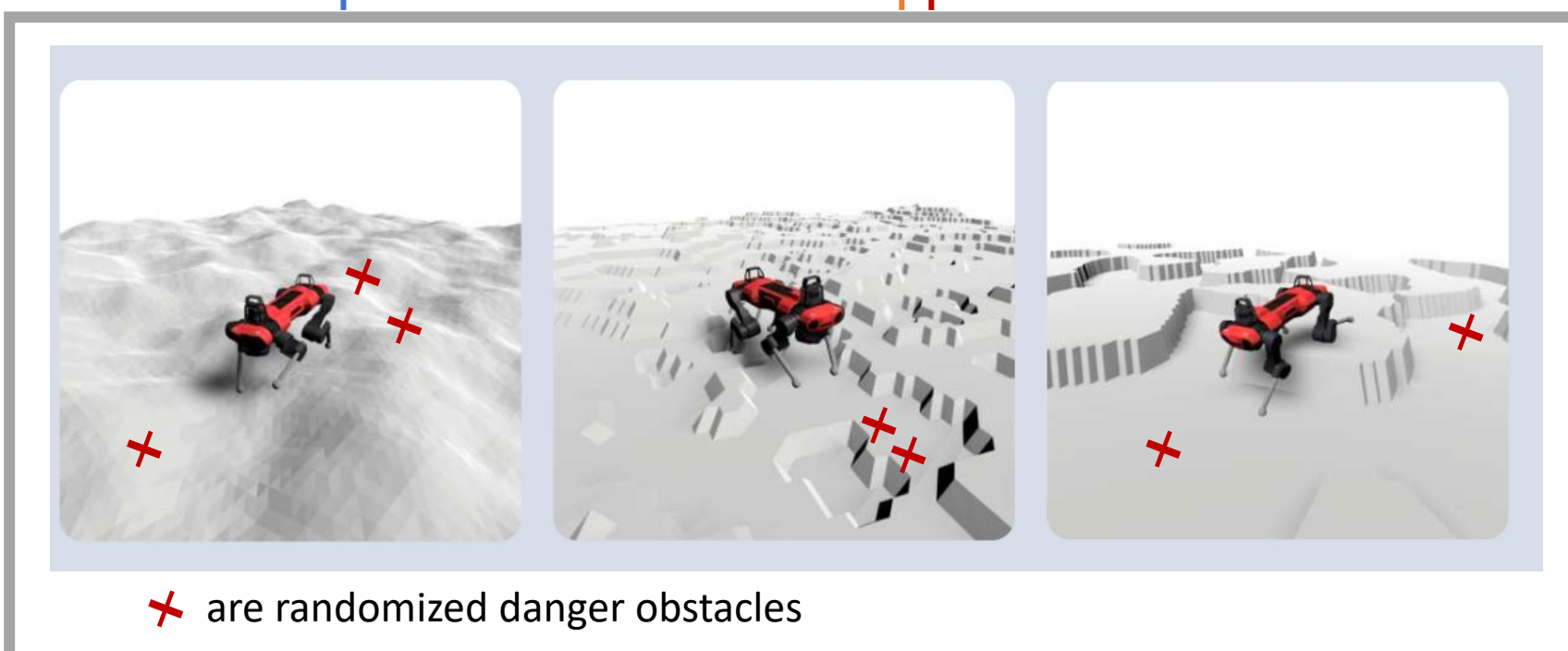


(2) Global navigation



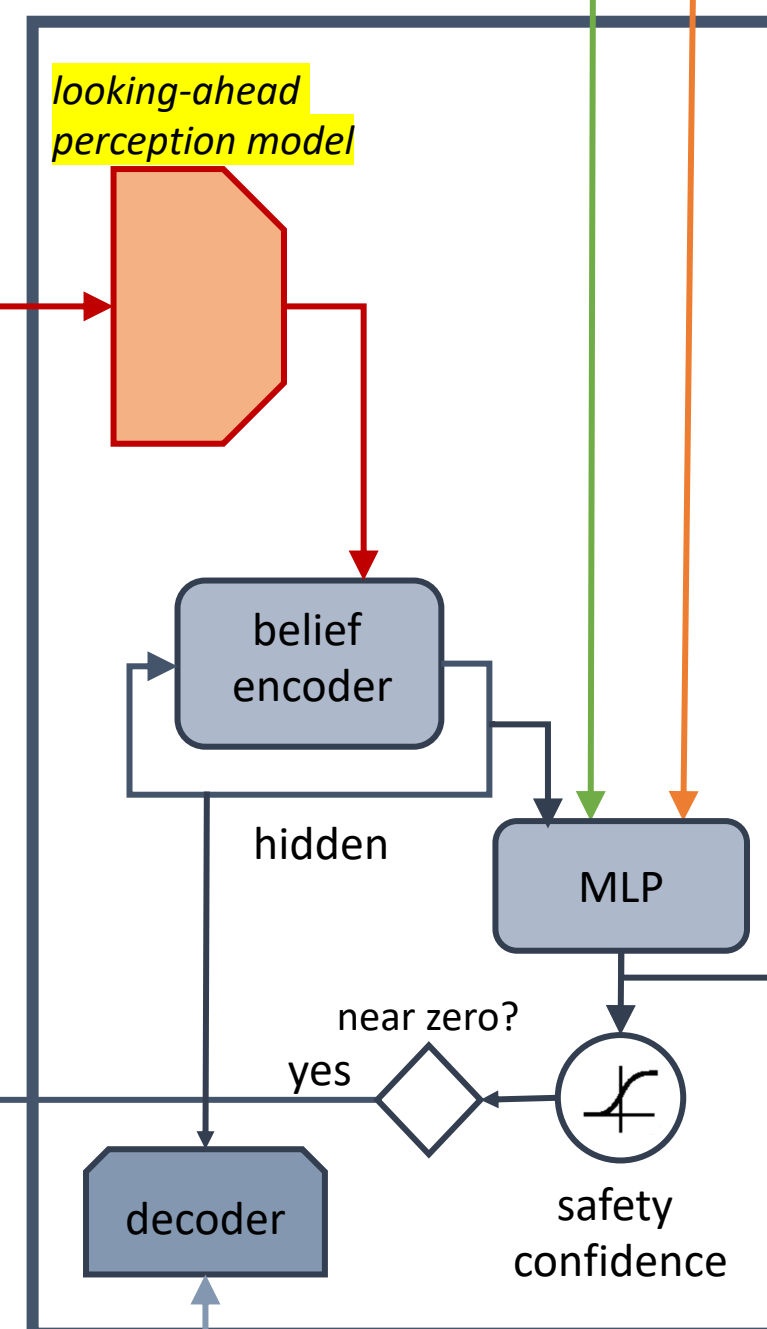
(1) Simulator



domain randomization for different terrains and **dangerous obstacles**

(4) Robust perceptive locomotion policy

(3) Safe probing policy



train for reconstruction

privileged states

rewards

train via safe RL

pretrained robust controller

action



intervention for safe-probing