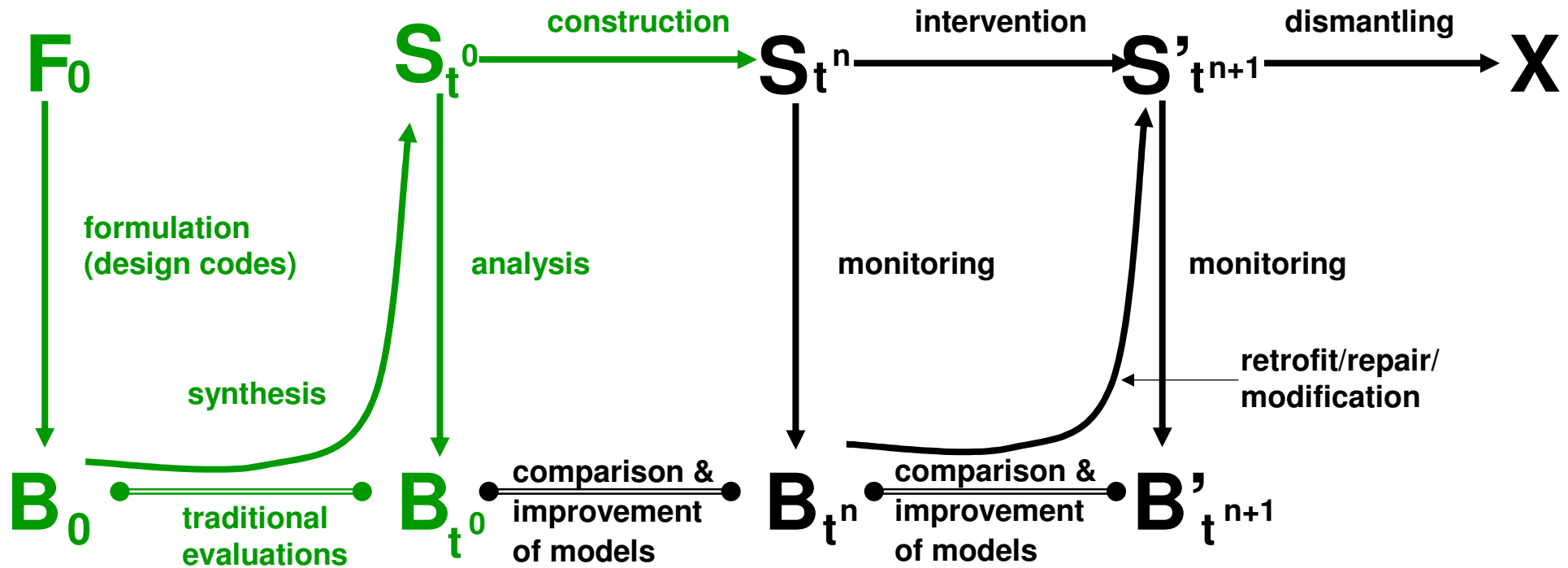


# Artefact lifecycle



→ transformation  
 ●—● comparison  
 (performed by engineer)

$F_0$  = function  
 $B_0$  = expected behaviour  
 $S_{t^0}$  = structural design  
 $B_{t^0}$  = predicted behaviour

$S_{t^n}$  = existing structure  
 $B_{t^n}$  = measured behaviour  
 $S'_{t^{n+1}}$  = modified structure  
 $B'_{t^{n+1}}$  = updated behaviour  
 $X$  = no structure