CHRIS KELLY / @AMATEURHUMAN

You’re already building a software factory.

PLUS 1,000 WAYS TO NOT BUILD ONE

The future is already here—
it's just not evenly distributed.

WILLIAM GIBSON, 1992

COSMOS

REQUIREMENTS

STANDARDS

PRE-COMMIT CHECKS

CODE REVIEW

TESTING

INFRASTRUCTURE AS CODE

AUTO-SCALING

SLOS

COSMOS

Move fast and ship things.

COSMOS

A software factory is a system that turns intent into trusted software outcomes using humans, agents, and automation.

COSMOS

The best practices have yet to be defined.


I HAVE NO IDEA
WHAT I'M DOING
COSMOS

A complex system that works is invariably found to have evolved from a simple system that worked.

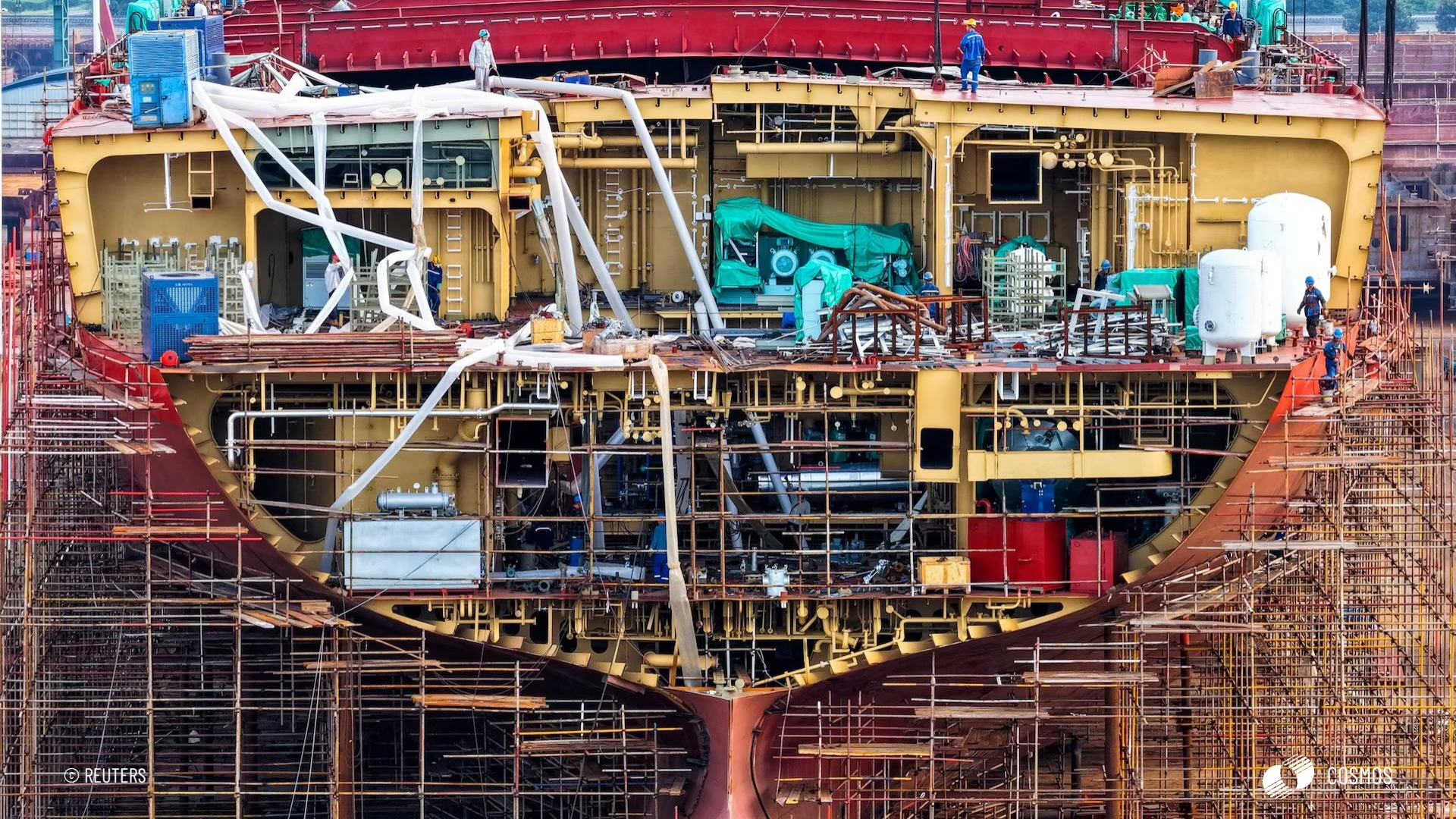
JOHN GALL, 1975

Don’t make building the factory the goal.

COSMOS

Improve the foundations before you build the factory.

COSMOS



I have not failed. I've just found thousands of ways that won't work.

THOMAS EDISON, 1890

Your factory is not a code generation machine.

Automate the known,
don’t automate the thinking.

The limit on autonomy is how much of the result you can verify and trust.

Code review that is 90% good is not good enough.

You can’t review everything.

Inspect evidence, not output.

Slop is not a model quality problem.

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Apply back pressure.

One agent can’t do it all.

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The hardest part isn't technical.

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Industrial designer, not factory worker.

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Smaller teams,
not less engineers.

Expertise becomes more important, not less.

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Delegate
Establish constraints
Shape the context
Make work verifiable
Inspect evidence
Failures into improvements

The best factories don’t remove human judgment, they know when to ask for it.

Start simple and take it one step at a time.

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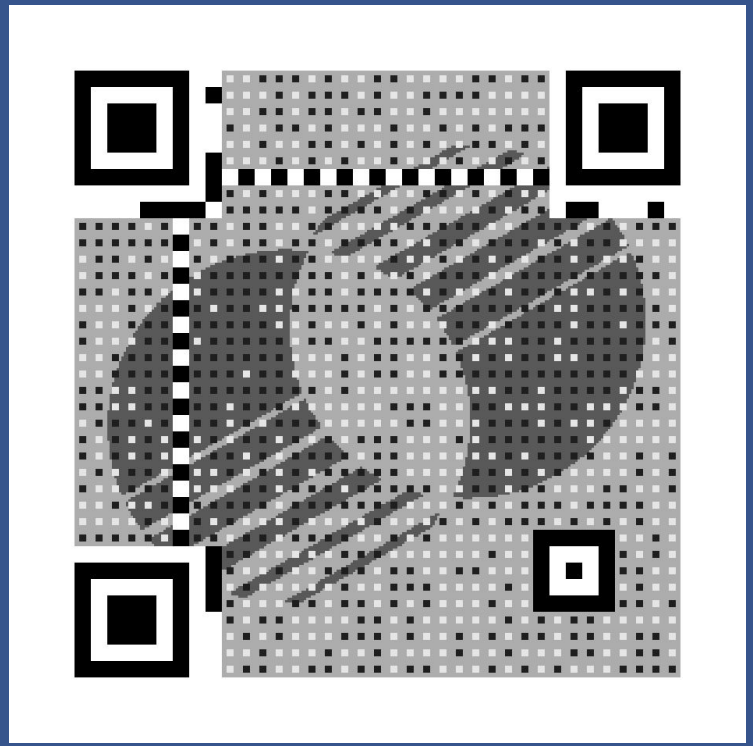
Thank you.

@AMATEURHUMAN



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