

WHY **NRK** CHOSE TO
BUILD **THEIR OWN**
AUTOMATION SYSTEM

*”We wanted to
reduce complexity
and establish
technological flexibility.”*

– Egil Ljøstad

System Owner

Production Systems NRK

SOFIE AUTOMATION

OVERVIEW

MODULES



GUI



NEWS ROOM
SYSTEM

MEDIA ASSET
MANAGEMENT

VIDEO
PLAY-OUT

GRAPHICS
PLAY-OUT

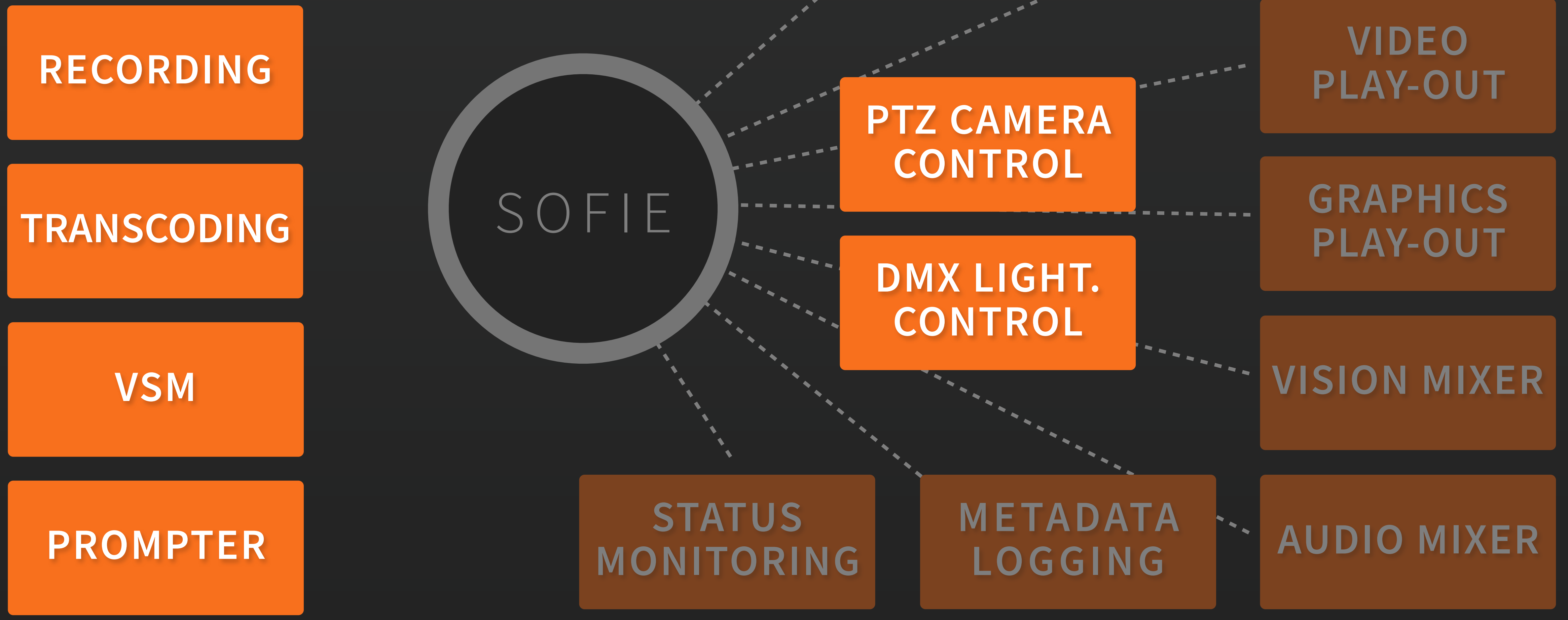
VISION MIXER

STATUS
MONITORING

METADATA
LOGGING

AUDIO MIXER

COMING IN **Q4 2018**



ARCHITECTURE

MODULAR

STATE-BASED

CONTINUOUS

DEPLOYMENT

ARCHITECTURE

NODE & TYPESCRIPT

VIRTUALIZED DOCKER

CLOUD OR LOCAL

LINUX OR WINDOWS

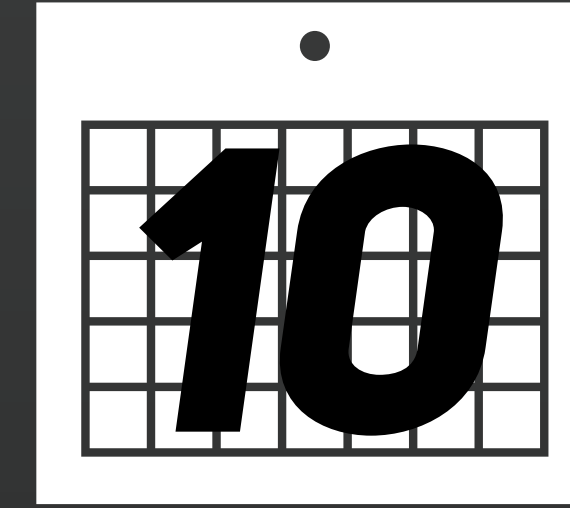
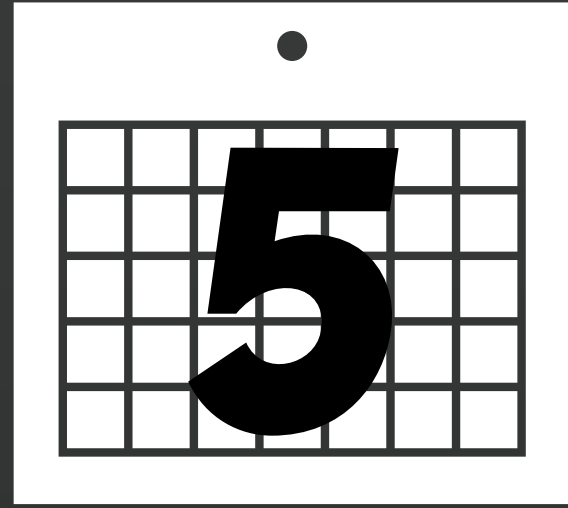
USER EXPERIENCE

BROWSER-BASED

INTUITIVE

AGILE DEVELOPMENT

PROJECT TIMELINE



MARCH

SEPTEMBER

24 WEEKS

LIVE ON AIR
SINCE SEPT. 10

NRK



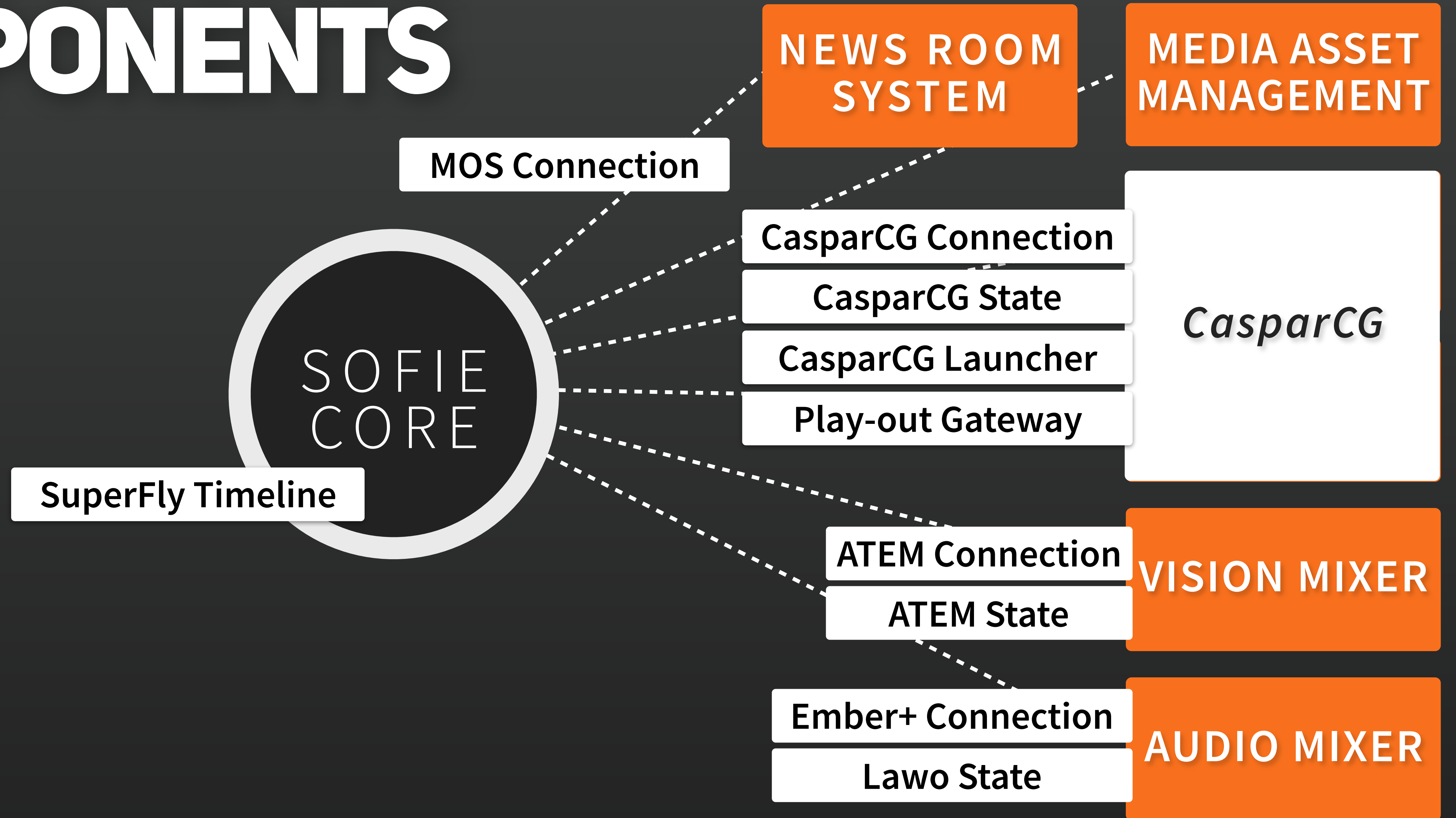
*”It’s a strategical goal for NRK
to use and share
open source code.”*

– Egil Ljøstad

System Owner

Production Systems NRK

OPEN SOURCE COMPONENTS



OPEN SOURCE COMPONENTS

All code is open sourced under
the MIT license.

GitHub repositories:

<http://bit.ly/SofieTV>



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