XR – Industries and Use Cases

Create Better XR Experiences across All Industries

INDUSTRIES

AUTOMOTIVE

AEROSPACE

DEFENSE

MANUFACTURING

HEALTHCARE

CONSTRUCTION, SHIPBUILDING, RENEWABLES, CHEMISTRY
and many more...

USE CASES

VISUALIZATION OF LARGE 3D CAD

DATA SECURITY IN AR/VR

CROSS-PLATFORM SUPPORT

POINT CLOUD VISUALIZATION

VISUALIZATION OF MEDICAL DATA

REALISTIC EFFECTS

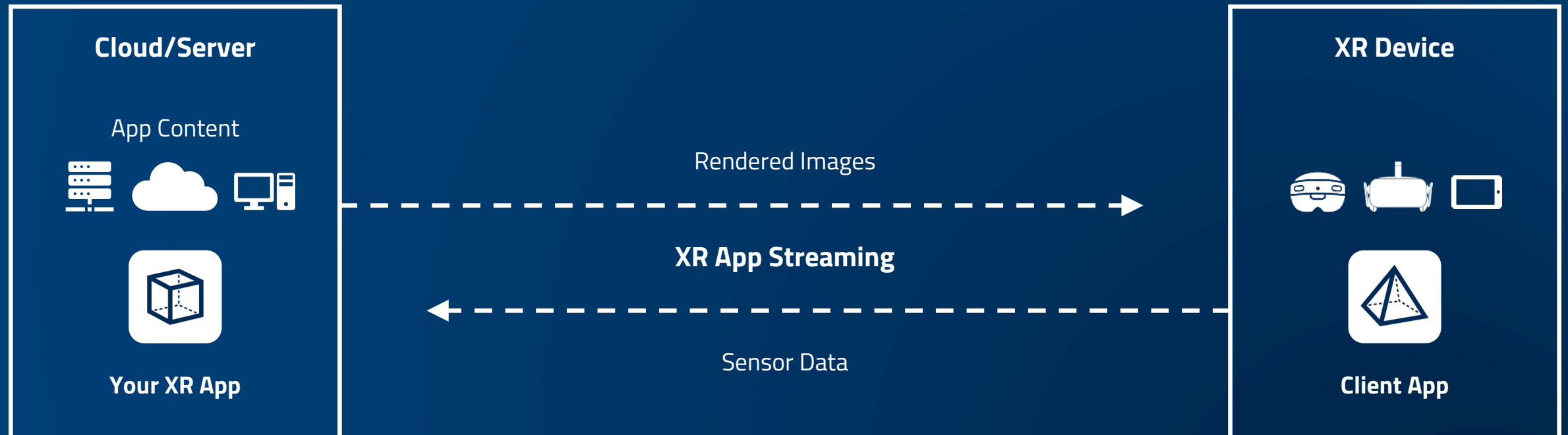# Deploy XR

High Performance

Easy to Use

Highly Secure

XR Streaming – High Performance XR

Real-time Streaming of Entire XR Applications

Cloud/Server

App Content

Your XR App

Rendered Images

XR App Streaming

Sensor Data

XR Device

Client App

Why Pixelstreaming?

No processing power needed on device –> performance only dependent on server

No 3D information is transmitted or stored on device -> high security
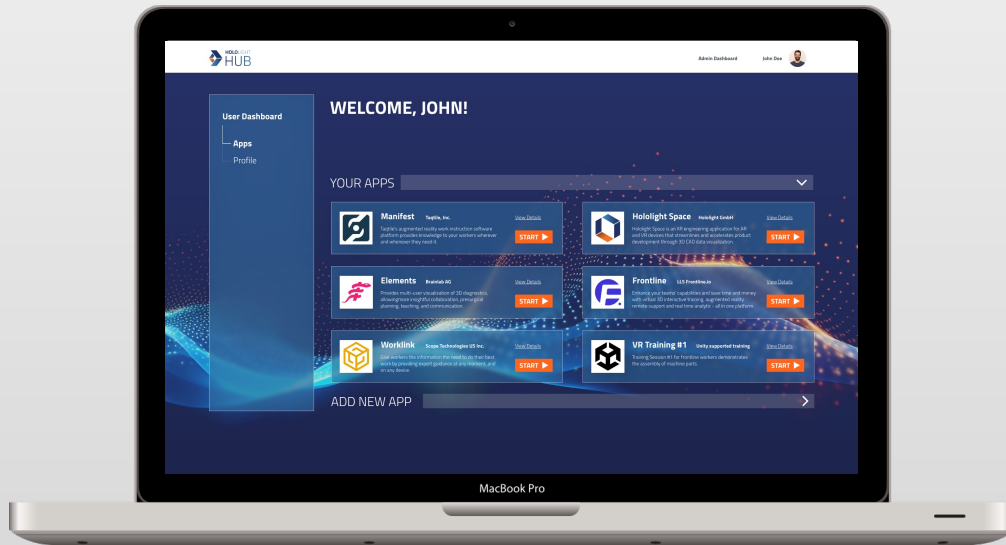
Constant and content independent bandwidth profile

Easy to integrate and develop
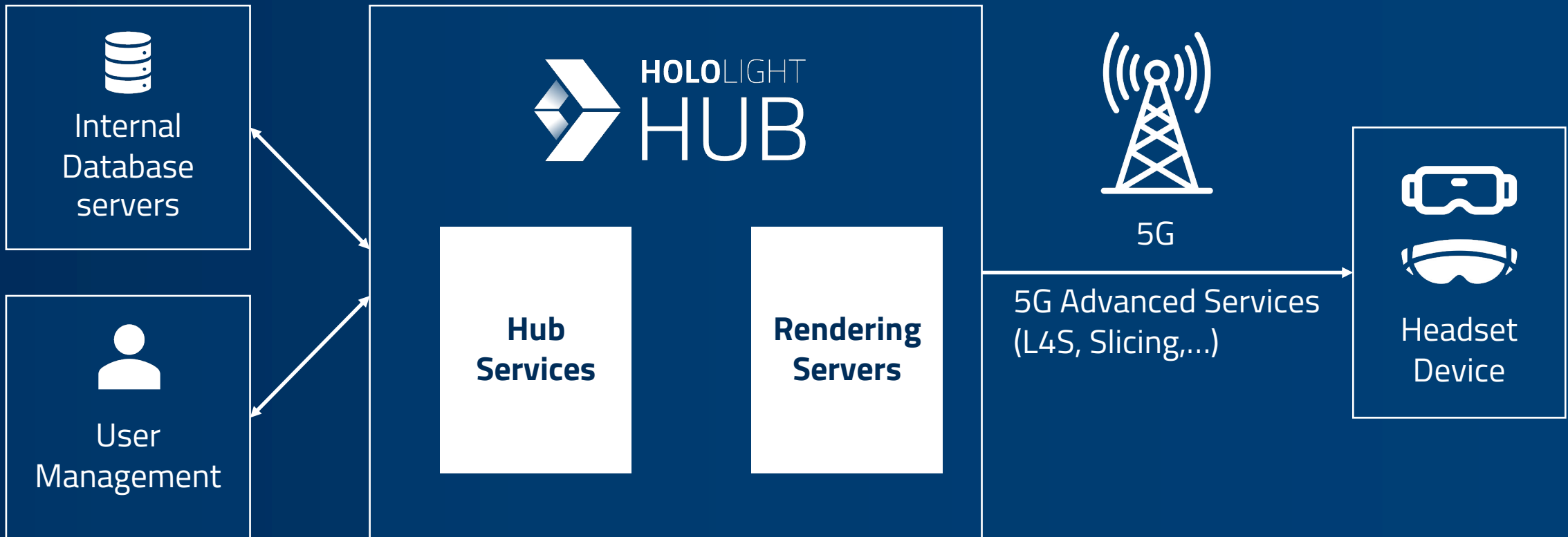
Hololight Hub – Easy To Use

The Streaming Platform

Manage XR Apps on a
CENTRALIZED PLATFORM
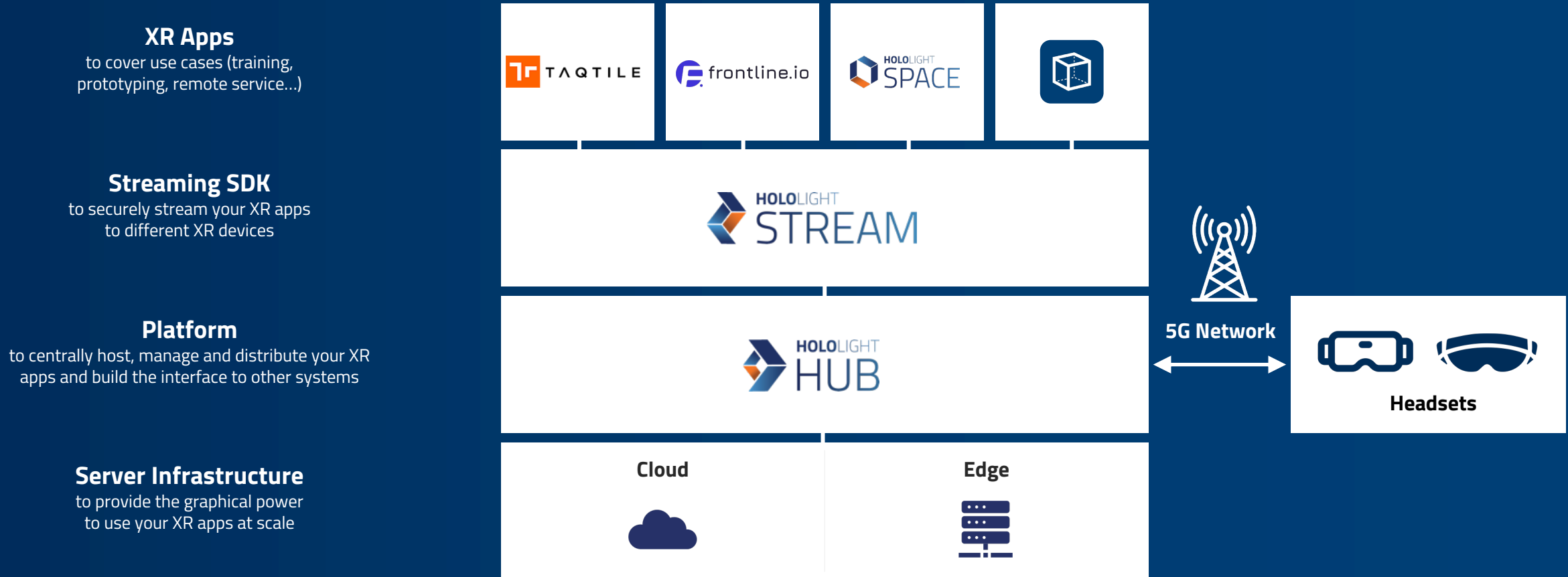
Experience XR through
XR STREAMING

Edge Servers and 5G – Highly Secure

Internal Database servers

User Management

HOLOLIGHT
HUB

Hub Services

Rendering Servers

5G

5G Advanced Services (L4S, Slicing,...)

Headset Device

Full Architecture Overview

Summary

XR Apps
to cover use cases (training, prototyping, remote service...)

Streaming SDK
to securely stream your XR apps to different XR devices

Platform
to centrally host, manage and distribute your XR apps and build the interface to other systems

Server Infrastructure
to provide the graphical power to use your XR apps at scale

TAQTILE

frontline.io

HOLOLIGHT SPACE

HOLOLIGHT STREAM

HOLOLIGHT HUB

Cloud

Edge

5G Network

Headsets

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Customer Example : Lockheed Martin

In 2023 we successfully showcased super secure streaming over 5G with Lockheed

About Hololight

Your Expert for AR/VR Enterprise Software and Technology

XR DEVELOPMENT
Since 2015

PASSIONATE TEAM
80+ engaged colleagues

HEADQUARTERS
Ismaning (DE), Innsbruck (AT), Durham (US)

Our Clients

BMW · Danfoss · ENGIE · P&G · MTU Aero Engines

Wabtec CORPORATION · BRAINLAB · stryker® · accenture · CNH INDUSTRIAL

Our Partners

NOKIA · Qualcomm · ∞ Meta · Magic Leap

aws · verizon✓ · Booz | Allen | Hamilton · Microsoft Partner | Mixed Reality

And many more...