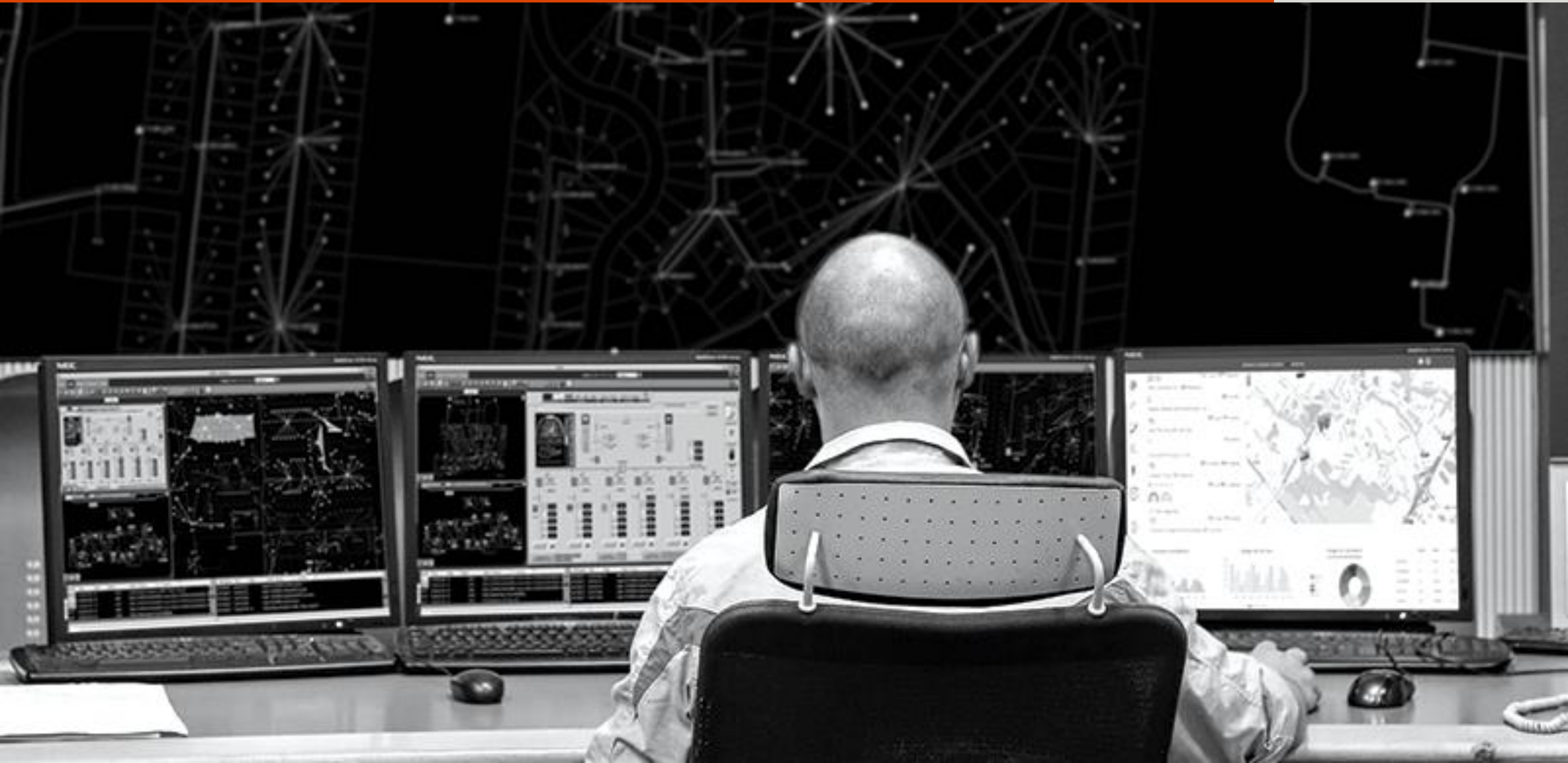


# SurvalentONE

Survalent.





**Jason Rohlfing**

Director of Sales, Western US



**Zair Sajid**

Presales Specialist

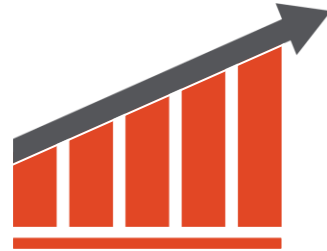


# Today's Agenda

**Survalent.**

- **Introductions**
- **Survalent Company Overview**
- **SurvalentONE Product Overview**
- **System Architecture Overview**
- **Product Demonstration**
  - **SCADA**
  - **Web Applications (optional)**





**50+ years of  
service in the  
utility industry**

**Consistent  
revenue growth  
& profitability**

**97.8% customer  
retention rate  
since 1983**

**21% of top line  
revenues invested  
in R&D**



**Zero debt**





# Tremendous Base of Experience

Survalent.



**800+**  
Customers Worldwide



**300+**  
ADMS conversions



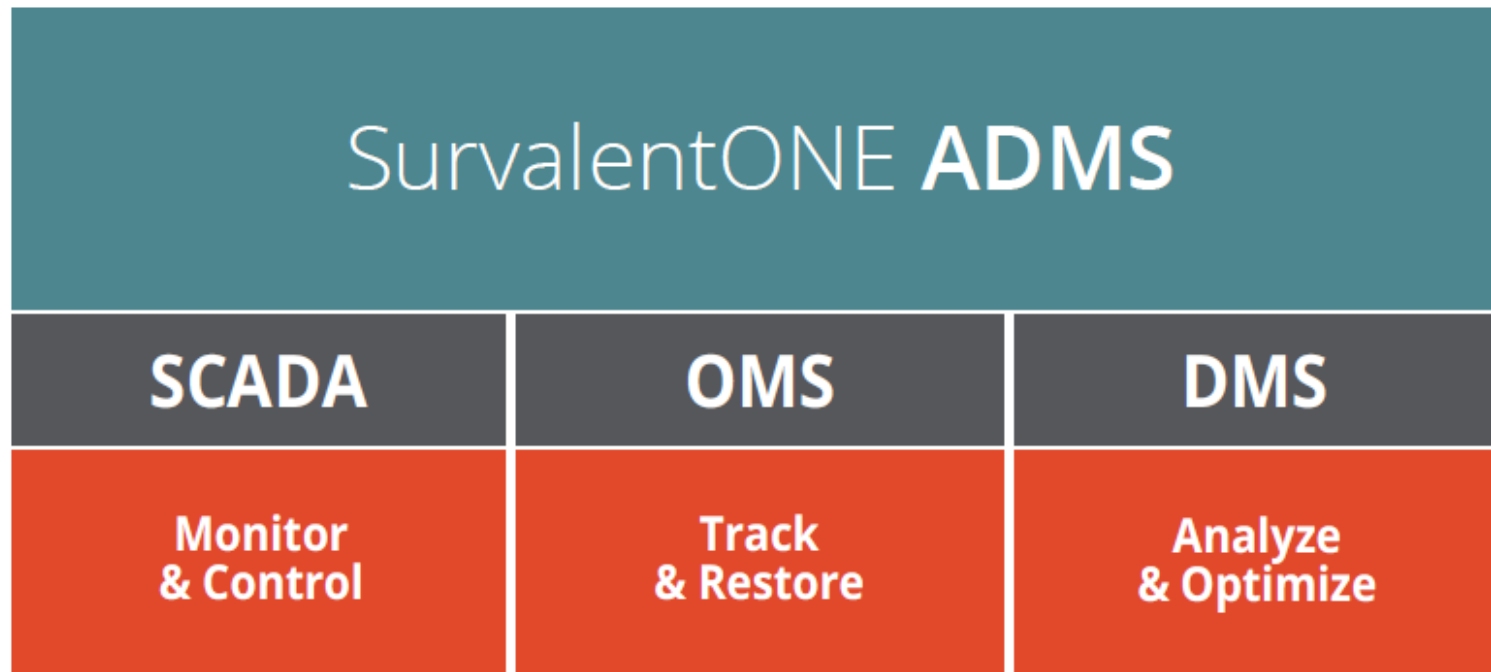
**1,000,000+**  
Largest System



**10,000,000+ meters**  
3 Largest Systems at PLN Indonesia



- Common user interface for all roles for ease of operations
- Single hardware platform simplifies IT/OT maintenance & security
- Shared, as-operated network model & real-time database provides increased performance





- Provides advanced supervisory control & data acquisition capabilities
- Real-time, automated network control & monitoring
  - Improves network reliability
  - Streamlines operations
- Offers advanced data collection capabilities to manage remote assets



- Greater network reliability & improved performance indices
- Increased operational efficiency
- Improved situational awareness enables faster, more informed decision-making
- Cost savings achieved through remote monitoring & control of field devices



## PHASE 1:

No network model/connectivity required

- Load Management
  - Power Factor Control
  - Dynamic Voltage Regulation (DVR)
  - Voltage Reduction
  - Load Curtailment
  - Rotational Load Shedding
- Short-term Load Forecasting / Load Estimation

## PHASE 2:

Connectivity required

- Fault Location, Isolation and Service Restoration (FLISR) & Loss of Voltage (LOV)
- Protection Settings Manager (PSM)

## PHASE 3:

Network model/connectivity required

- Distribution Power Flow (DPF)/Distribution State Estimation (DSE)
  - FLISR with DPF
  - Short-circuit analysis
- Contingency Analysis
- Fault Location
- Volt/VAR Optimization (VVO)
- Optimal Feeder Reconfiguration (OFR)

# Offline Environments Available

## Project Development System

Allows users to:

- Edit in an offline environment
- Publish changes to production once the user is ready

- Project-based – multiple concurrent projects can be active at any time
- Multiple users can edit concurrently as well
- Option to test changes in the offline environment before publishing to production

## Quality Assurance System

Allows users to:

- Test software updates/patches
- Test configuration changes
- Perform hardware/software tests

- Replicate your production environment in a test setting

## Operator Training Simulator

Allows users to:

- Train on the ADMS in an offline environment
- Test or validate scenarios (in testing phase)

- Take a snapshot of the production system
- Save multiple snapshots of DB into separate studies
- Global command sequence manager available for all studies
- Validate switch orders in OTS, then import into the production system

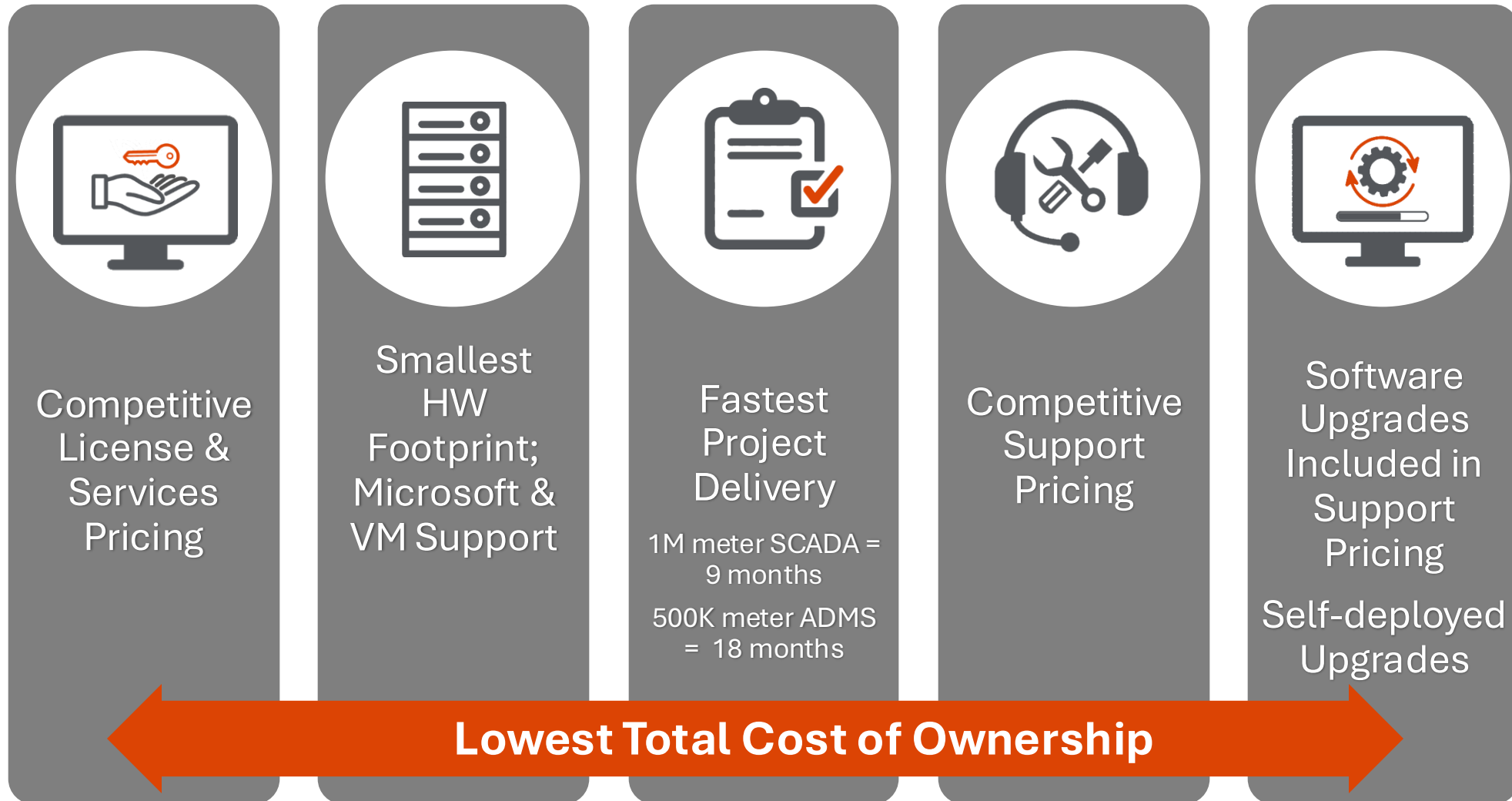
## Operational Analysis

Allows users to:

- Investigate future hypothetical states of the network
- Offline power system simulator available to see how the network would react

- Available pool of VMs, allows multiple users to run separate studies at once
- Two modes available:
  - Real-time
  - What-if
- Optional licenses available:
  - Historical playback

*\* Data forwarding license can be used with any of these four servers to update the servers with real-time data*





## Partnership Recognition

“**Survalent** customer references gave the **highest overall satisfaction ratings** of any vendor covered in this report, pointing in particular to **product value, service & support.**”

- Gartner, 2017



Easy to  
Use, Operate,  
Maintain



Security  
by  
Design



Resilient,  
Redundant,  
DRP



Reliability,  
Power Quality,  
Customer  
Satisfaction

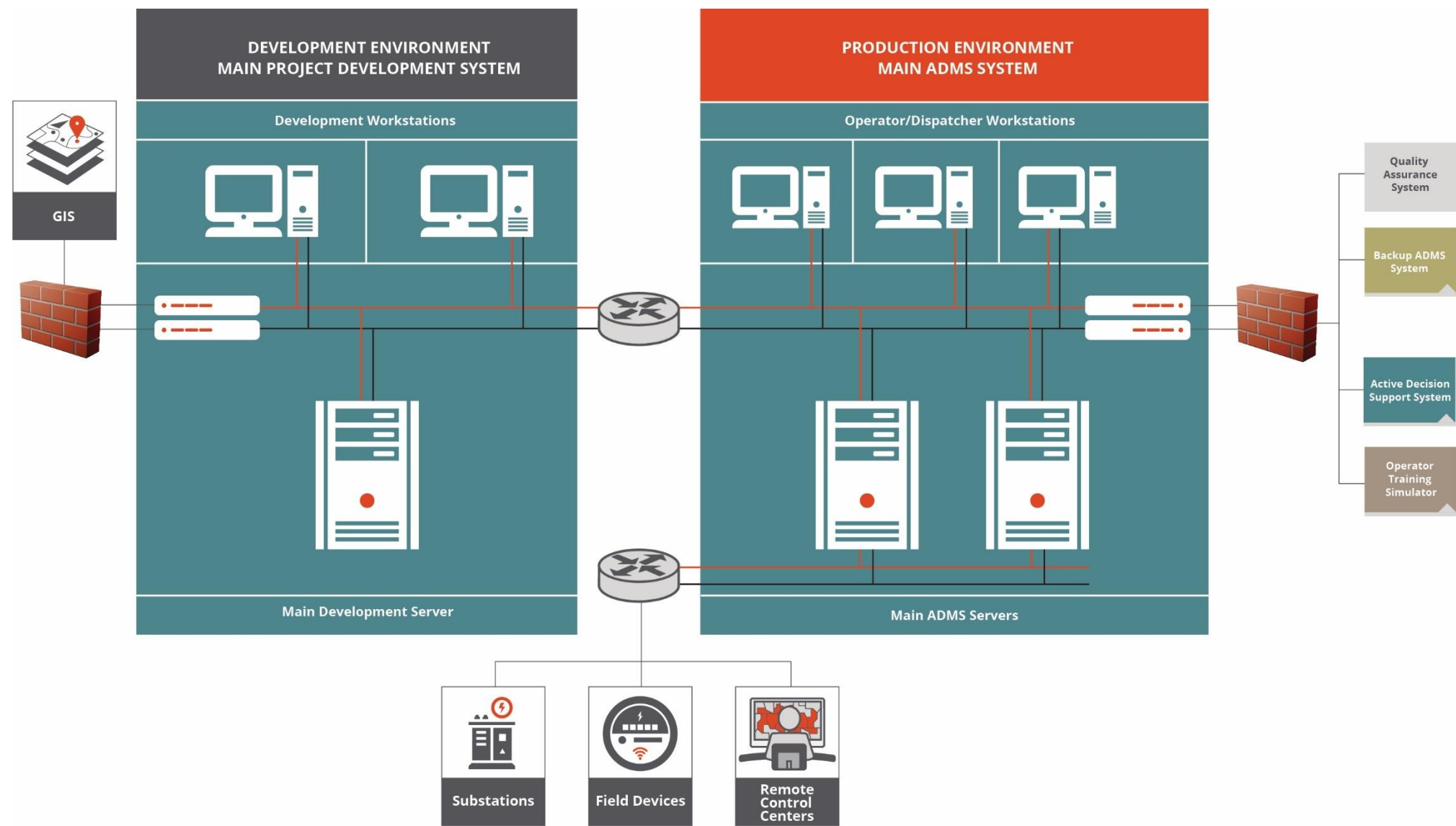


Interoperability,  
Digital  
Transformation



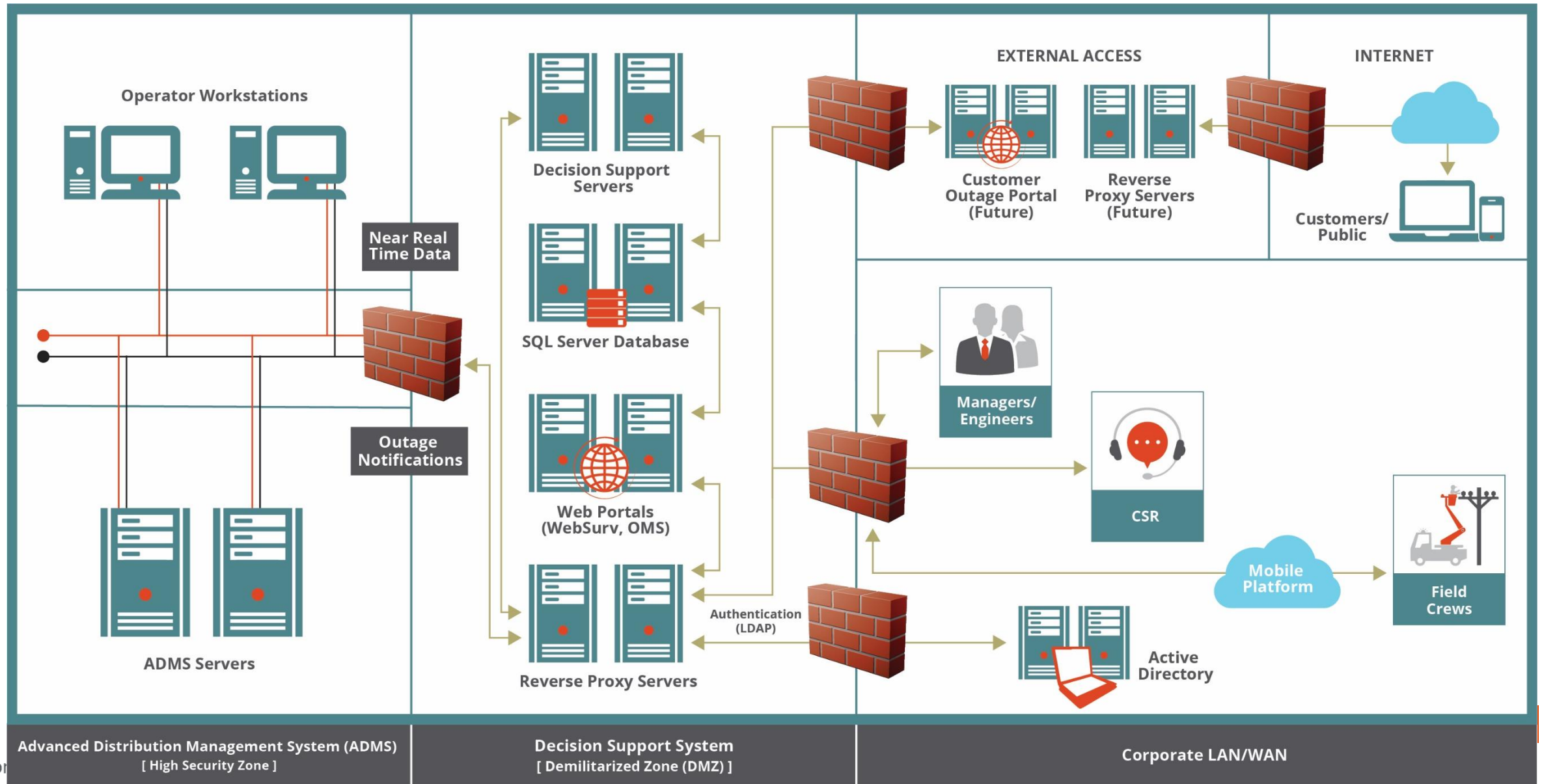
Renewable,  
Grid  
Modernization

# Main SCADA (ADMS) System



# Security Architecture – Web Portals

Survalent.





A complete, fully integrated  
ADMS platform that runs  
on a single, easy-to-use  
graphical user interface

