SeQent
Real-Time Decision Solutions

CIMPLICITY
Integration

GE Digital

Proficy

HMI/SCADA - CIMPLICITY

SeQent's CIMPLICITY gateways monitor the alarm queues of a CIMPLICITY project for alarms which match defined conditions. In addition, by using the SeQent OPC Gateways, CIMPLICITY data such as points and virtual points may also be monitored. Depending on the gateway selected, the actions may include:

- FirstPAGE software offers a generic interface to a multitude of messaging platforms, enabling simplified communication and configuration. With support for many output protocols or platforms, including email, SMS, databases, voice and two-way radios, combined with various connectivity options (serial, modem, TCP/IP, databases), it allows for a vast combination of custom implementations.

- FirstPAGE Alarm Manager monitors alarms and events. Should a monitored alarm or event occur, it will automatically escalate through a pre-defined hierarchy of responsible parties until acknowledged. It sends key information to the right person at the right time on whatever communication device that is configured for that individual.

- Marquee Manager software monitors manufacturing environments and sends real-time, automated messages (Alarms, Events, KPIs, OEE) to visual and audible devices, including LED/LCD displays, smartphones, tablets, and sounder devices.

SeQent's CIMPLICITY gateways support all versions of CIMPLICITY V8.2 or higher.

CIMPLICITY Integration
Architecture Overview

**PLC**

PLC

Application Server 1

- OPC Servers
- CIMPLICITY
- FirstPAGE Gateway for OPC
- FirstPAGE Alarm Manager Gateway for CIMPLICITY
- Marquee Manager Gateway for CIMPLICITY
- Marquee Manager Gateway for OPC

PLC

PLC

Application Server 2

- OPC Servers
- CIMPLICITY
- FirstPAGE Gateway for OPC
- FirstPAGE Alarm Manager Gateway for CIMPLICITY
- Marquee Manager Gateway for CIMPLICITY
- Marquee Manager Gateway for OPC

CNC

PLC

Application Server 3

- OPC Servers
- CIMPLICITY
- FirstPAGE Gateway for OPC
- FirstPAGE Alarm Manager Gateway for CIMPLICITY
- Marquee Manager Gateway for CIMPLICITY
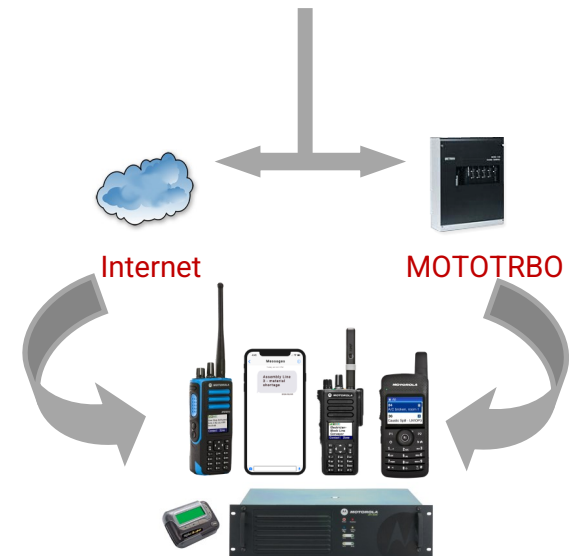- Marquee Manager Gateway for OPC
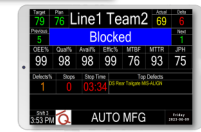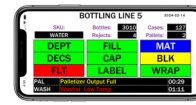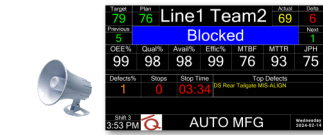
Visualization/Messaging Server

- FirstPAGE Server
- FirstPAGE Alarm Manager Server
- Marquee Manager Server
- Wi-Fi Messenger Server

Internet

MOTOTRBO

Data Flow

CIMPLICITY Integration
Application Server Overview

Application Server

PLC

PLC

OPC Server 1

CNC

PLC

OPC Server 2

CIMPLICITY

CIMPLICITY OPC

SQL Server

FirstPAGE
Gateway for OPC

Marquee Manager
Gateway for OPC

FirstPAGE Alarm Manager
Gateway for CIMPLICITY

Marquee Manager
Gateway for CIMPLICITY

To Visualization/ Messaging Server

Data Flow
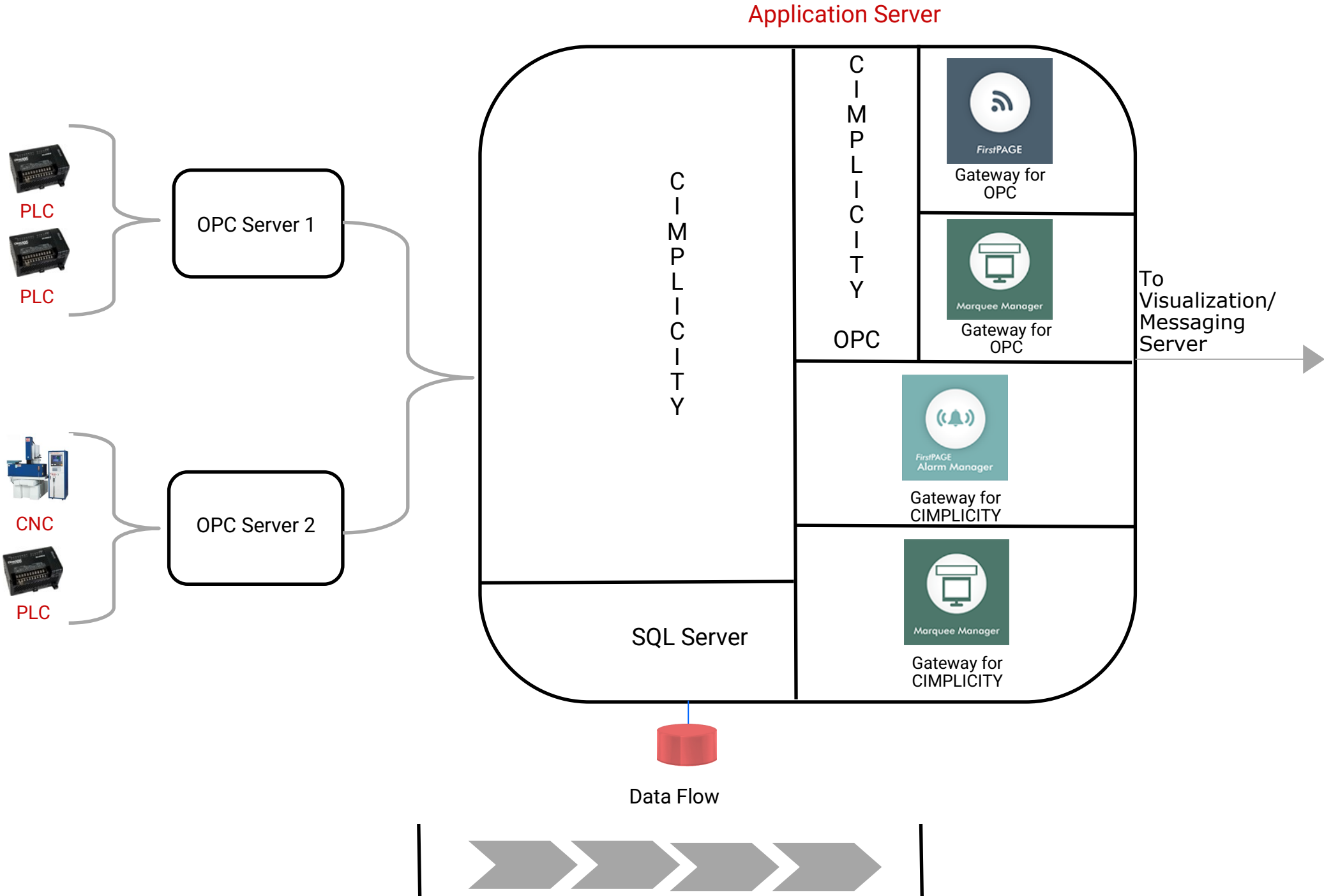
CIMPLICITY Integration
Visualization/Messaging Server Overview

Visualization/Messaging Server

Application
Servers

FirstPAGE
Alarm Manager

Server

FirstPAGE

Server

To Messaging
Services

Wi-Fi Messenger

Server

To Wi-Fi
Smartphones/
Tablets/Watches

Marquee Manager

Server

To Andon
Visual Displays

Data Flow
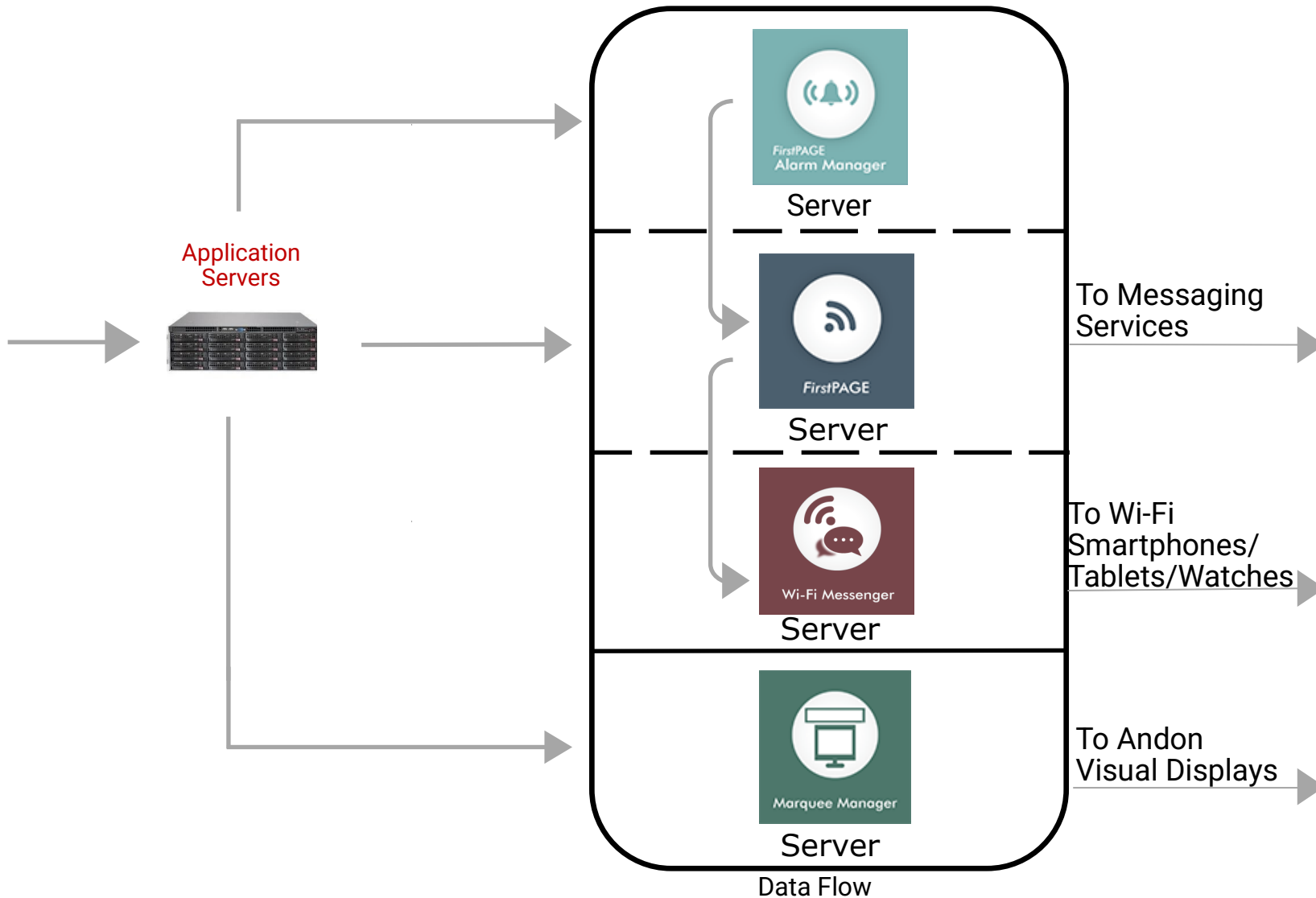
For additional information on solutions offered by SeQent, please contact our sales group:

4500 Blakie Road, Suite 137
London, ON N6L 1G5
Canada

+1.519.652.0401

Sales@SeQent.com

www.SeQent.com