

Compatible with WMO GTS  
and World WIS Network

# GTS Meteorological Message Switch Telecommunication and Visualization Systems



## System Outline

The GTS/WIS MSS system has full essential functions along with the WMO GTS/WIS as well as domestic networks in the country. The system works as the information hub for the overall solution with effective and accurate data gathering, processing, dissemination and visualizing of meteorological data for the National Centers or Agencies.

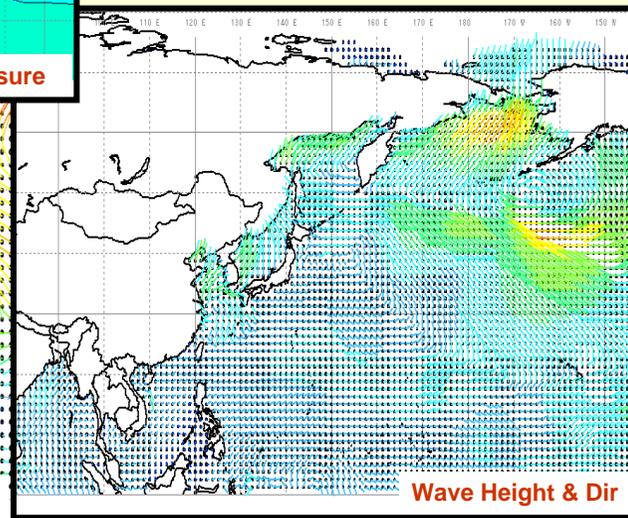
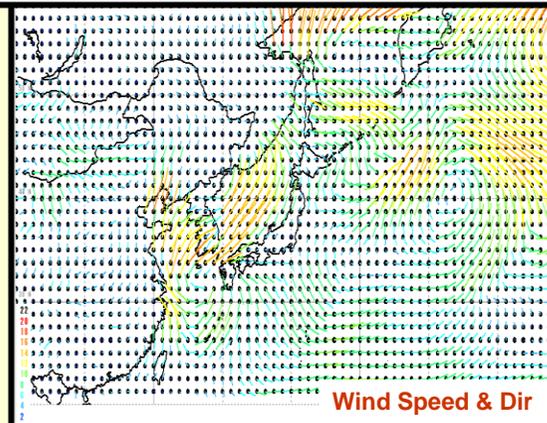
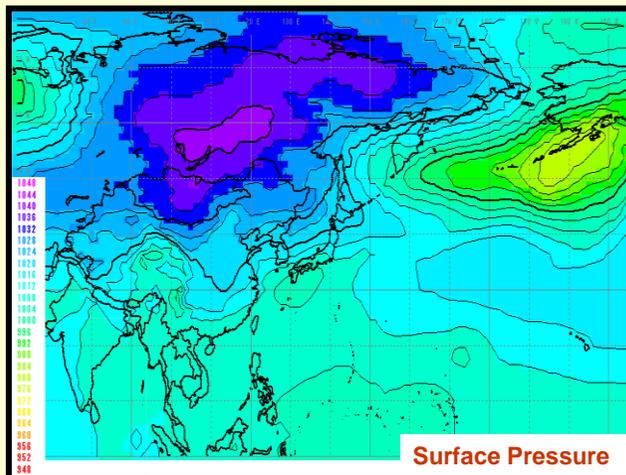
The system can also interface to various ground and satellite observation & processing systems useful for forecasting and a reduction of critical natural disasters over the country level.

## System Features

- ◆ Supports Various Physical Circuit (MPLS, IP-VPN, Frame Relay, PVC, PSTN, DSL, Satellite Links or Affordable IP Links)
- ◆ Supports Virtual Protocols based on WMO 386 (TCP/IP Socket, FTP, HTTP, SMTP, IPsec etc.)
- ◆ Handling various message types based on WMO standard such as GRIB, BUFR, SYNOP, TEMP, PILOT, CLIMAT as well as ISO Metadata, TDCF
- ◆ Powerful Relational Database System with Geo-Referenced Meteorological Data along with WIS
- ◆ Full Dual Redundant Hot-backup System, Internet Security, High Reliability, Remote Maintenances

## Sample Products

Visualization Sample Images for GPV output



We employ superior stable Servers with  
Dual Redundant & Non-stop Hot-backup System



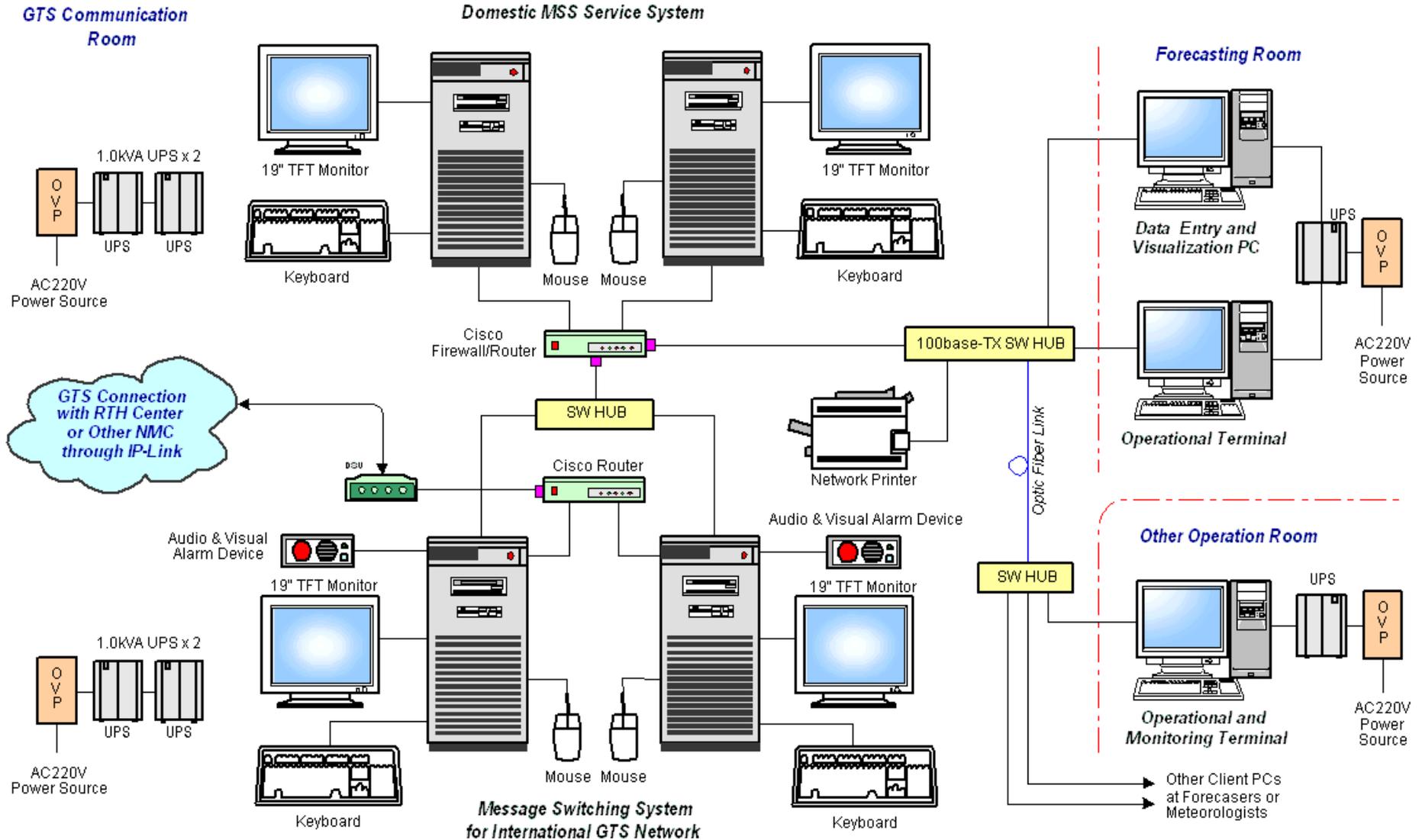
Contact us for further details --



We are Seeking an unlimited future for human beings  
**Oriental Electronics, Inc.**

2-4-1 Tanabe-Chuo, Kyo-Tanabe, Kyoto 610-0334 JAPAN  
Tel:+81-774-63-2300 Fax:+81-774-63-2308 URL: www.orie.com

# WMO/GTS Message Switching System for National Met Center



Note: Sample system structure (Minimum system constitution)

| REV | DATE | REVISION | BY | DATE | DESCRIPTION | CODE                            | REV | DATE | DESCRIPTION                             |
|-----|------|----------|----|------|-------------|---------------------------------|-----|------|---|
|     |      | DESIGN   |    |      |             | D1069291J                       |     |      | The System Structure of GTS/MSS for NMC |
|     |      | DRAWING  |    |      |             | 南京电子工业株式会社                      |     |      |   |
|     |      |          |    |      |             | Original Equipment Manufacturer |     |      |   |