



Roland Hancock
Kevin Saul



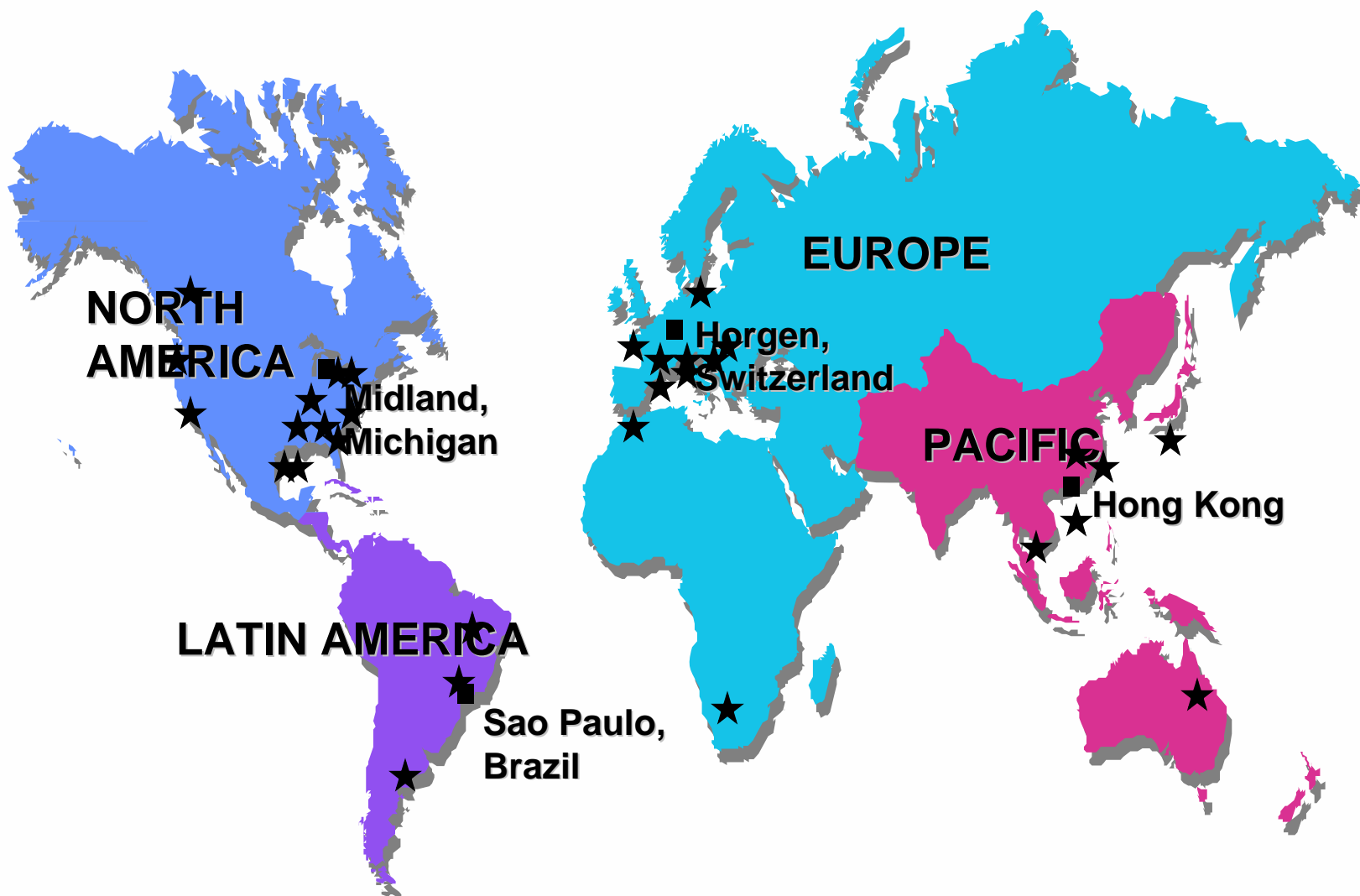
Dow Chemical

- Was founded in 1897 by Herbert H. Dow in Midland, Michigan
- Is a global Science and Technology Based Company With Annual Sales of \$49 Billion
- Producers of more than 3200 Products and Technologies at 200+ Manufacturing Sites in 51 Countries.
- Has approximately 43,000 Employees Globally



Houston SPI LTUF

Geographic Headquarters Manufacturing Units





- SPI is part of the Total Integrated Suite
 - SP Enterprise
 - Aspen Zyqad
 - SP P&ID
 - SP 3D
 - INtools - SPI
 - SP Electrical
- Today the tools are Stand-Alone but with an Eye on the Planned Integrated Environment



INtools

- Is the Common, Global Tool for Instrument Design
 - Used by all Dow Engineering Groups
 - Coordinated with EPC Suppliers
- Provides Plant Life Cycle Data Management
- Provides Operations Access to Plant Data via SmartPlant Explorer
- Utilizes data Migration of Existing Information to Eliminate all Other Legacy Instrument Design Tools



- Four Oracle NT Servers
 - Contains 17 Oracle Instances Aligned Geographically
 - Average of 23 Domains per Instance
 - Maximum of 30 Domains allowed per Instance
- Two Citrix Application NT Servers in the Dow Domain
- Two Citrix Application NT Servers in the Extranet Domain
- One Web NT Server for the Dow Launch Center application
- Our NT Servers are currently located in Freeport Texas supporting all of the Global INtools users
- We are currently implementing a Windows 2003 Virtual Machine environment at Dow. These servers will be located in Midland Michigan and will be upgraded to V. 7.0.8.2



- All Dow Plants are created from the Seed Plant
 - Default Panels
 - Default Cables
 - Complete with 149 normalized Spec Forms, Pages and Formats
 - Component, Cable and Panel UDFs are maintained in in the seed Plants
- Any changes to the Seed Plant for Spec Forms, Panels, Cables, etc. are inserted into all Dow Plants



- There are 384 Dow Plants in INtools
 - With more than 1,000,000 instrument tags
 - Approximately 50,000 Panels not including Field Device Panels
 - More than 780,000 Plant Cables
 - 560,000+ Instruments assigned to a Specification Sheet



- Dow's Global Support Structure
 - Joe Jones (Houston) - INtools Product Manager
 - Roland Hancock (Houston) - INtools Lead SME
 - Robert Foshee (Houston) - INtools SME (User Support)
 - Michael Lynch (Houston) - INtools SME (User Support)
 - Kevin Saul (Houston) - INtools SME (User Support)
 - Rhonda Strimple (Houston) - INtools SME (User Support)
 - Hans Taalman (Terneuzen) - INtools SME (User Support)
 - Angela Morissette (Fort Saskatchewan) - INtools SME
- Gary Russell (Plaquemine) - Legacy Data Migration
- We support 390+ users in the Dow Domain
 - Additional users will be added as the India Design Center (IEC) ramps up
- We also provide administrative support to 110+ EPC users in the Interface Domain



Other INtools Teams

- The INtools Steering Team
 - Goal is to support the successful Global implementation and on-going use of INtools
 - Directs the efforts of the INtools Product Support Team in how INtools is configured and used for the life cycle of a plant
 - Provides input as a single voice to Intergraph on future development
- INtools Site Focal Points
 - Each Major Site is represented
 - Provides Support for:
 - Configurations, work process, deliverables, MOC's, feedback and request to Intergraph for product updates
 - Work with the Legacy Data Migration Team to
 - Identify Plants for LDM and work as part of the LDM Team for their site
 - Participate in Site User Training
 - Input to training plans and schedules



- The team was created to Develop Plans and Actions to:
 - Identify the Data Owners
 - Define What Data Exists that Can be Migrated
 - Determine the Value/Quality of the Data
 - Develop Implementation Plans for Migration
 - Identify Supporting Resources
- Migration Plans are in Concert With INtools Implementation Plans



INtools Legacy Data Migration by Site

Site	Number of Plants	% of Plants Migrated
South America	11	83.35%
Asia	8	100%
Europe	115	99.5%
North America	102	62.1%
Canada	10	76.9%
Total Migrations/Percentage	246	85.55%



Questions?