

# Value Stream Technology - Product Portfolio

## The Integrated Lean Product Suite

Integrated Lean & Flow Technology Solutions    Interactive - Visual - Pro-active

[www.cellfusion.com](http://www.cellfusion.com)



### VALUE STREAM TECHNOLOGY™

#### ' Lean Applications for Lean Manufacturers '

Some people say: 'Lean means no systems, no software, no business applications, only manual processing'. In the past this may have been right: Any 'lean' process, organized and supported by traditional 'heavy' business applications, is going to eliminate the advantages of 'Lean' and fails.

In the 90s when 'lean' was introduced to many companies efficient software solutions to support it were not really available; some software companies tried to develop solutions focused on lean, many just re-labeled their software accordingly, and most of them lost this label again, when put into practice.

Developing solutions for lean manufacturers requires two main conditions: long experience and a clear lean vision. Leading edge lean solutions are to be developed today, for the requirements of tomorrow, and this is new: based on latest lean application technology.

Already for thirty years the software vendor SAP has been developing state-of-the-art Enterprise Resource Planning software. Very early they thought business processes need to be supported by integrated systems. The right vision at the right time made SAP the market leader in ERP. Developing in advance what technology will support in the future. Our management was involved in this vision for more than fifteen years, and it is an important lesson we learned at SAP. Two decades of research and working with our clients have taught us hands-on manufacturing operations and how to approach 'Lean'. Based on this, and in close partnerships with our clients, we have developed our vision and solution for lean manufacturing and value chain management - Value Stream Technology™.

When CellFusion started its Lean Solutions development, not many companies believed applications on the shop floor would be a central and interactive tool for assembly workers. Today our clients use Visual Factory™ and Electronic Visual Work & Quality Instructions™ at hundreds of their assembly and quality workstations as THE center of information flow, as the assembly process guide, as the source for productivity information, to increase and control quality, for tracking purposes, and much more. Times change, technology advances, and the vision has evolved to the most comprehensive integrated solution for lean manufacturers available on the market.





## Lean Supply Chain' Application Portfolio

### Manufacturing &

#### Value Stream Technology - The 'Lean

- **Lean Manufacturing Engineering**
  - Process & Sequence of Event Design™
  - Visual Work & Quality Instruction Design™
  - Process & SOE Mapping™
  - Engineering Change Impact Management™
  - Process Change Management™
  - Flow Assembly Line Design™
  - Process Synchronization™
- **Flex Logistics & Supply Chain Planning™**
  - Supply Point & Equipment Management™
  - Supply Synchronization™ & Change Impact Identification
  - Dynamic Supply Cycle Management™
- **Manufacturing Planning**
  - Flexible Workforce Management™
  - Manufacturing Scheduling
  - Sequencing & Model Mix Management (release 4.2)
- **Flex Supply Chain & Logistics Management™**
  - Management Dashboard™
  - Value Chain & Logistics Portal™
  - Line Side Operations Management
  - Line Side Inventory Management
  - Kanban Flex Monitoring™
  - Pro-active Process & Issue
    - Pro-active Line Logistics Monitoring™
    - Pro-active Material Availability Monitoring™
    - Pro-active Supplier TQM Monitoring™
  - Reusable Bin Cycle Tracking

All applications are modular and can be used dependent on the needs of manufacturing environments and priorities of customers. They can be installed as stand-alone application suite or fully real-time integrated into ERP/ SAP. Today Value Stream Technology is used at clients in a variety of industries, from Automotive and High Technology to Consumer Products and Industrial Machinery, at High Volume manufacturers and High Complexity Equipment manufacturers

Value Stream Technology provides a comprehensive toolset to not only support Lean Manufacturing, but also to manage a zero-defect, zero-tolerance, total quality & total performance manufacturing and supply environment - lean applications for lean manufacturers.

- **Visual Factory Workstation Portal™**
  - Interactive Visual Workstation™
  - Interactive integrated Applications
    - Interactive Total Quality Control™
    - Interactive Through-put & Performance Control™
    - Interactive Metrics & Product Data Control™
    - Interactive Material Lot Control™
    - Interactive Serial Number Control™
    - Interactive Material Verification Control™
    - Interactive Replenishment Control™
    - Interactive Workstation Control™
    - Interactive Rework Control™
    - Interactive Process Change Control™
  - Smart Factory Technology™
- **Total Quality Management**
  - Pro-active Manufacturing TQM Monitoring™
  - Failure Mode & Effect Analysis & Mapping
  - Product Metrics & Quality Data Documentation™
  - In-Process Quality Management™
- **Total Performance Management™**
  - Pro-active Performance Monitoring™
  - Performance Data Control™
  - Pro-active Process & Issue Monitoring™
    - Workstation Issues
    - Machines & Equipment
    - Resources
    - Systems & Technology
    - Line Logistics
- **Manufacturing Information Center™**
  - Manufacturing Portal™
  - Assembly Line Portal™
  - Workstation Portal™
  - Machine & Equipment Portal™
  - 5S Management (release 4.2)
  - Six Sigma Integration (release 4.2)
  - Kaizen/ Continuous Improvement Process
- **Technical Characteristics & Technology Integration**
  - Java Applications
  - Cell Technology™ & SnAP Connector Technology™
  - Multiple Language & Format Support
  - ERP & Legacy System Integration
  - SAP® Real-time Integration (BAPI®/ RFC)
  - MS Excel® Import Integration
  - Integration of leading Graphics Applications  
Corel Draw®, I-Grafx®, IsoDraw®, MS PowerPoint®