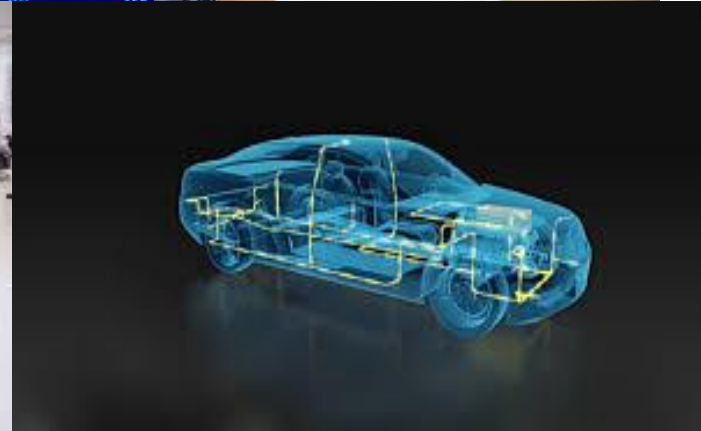
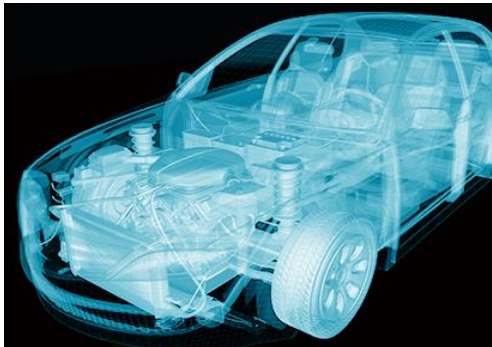




TechnoPro India Company Profile

Dated: 16-2-2023



Focus-Innovate-Expand & Differentiate

TechnoPro Group

Corporate Name	TechnoPro Holdings, Inc.
Business Outline	Technology-focused staffing and service companies with more than 25,000 engineers and researchers, with expertise in fields such as machinery, electrical/electronic engineering, information systems, chemistry, biotechnology, and energy
Head Office	35F, Roppongi Hills Mori Tower, Roppongi 6-10-1, Minato-ku, Tokyo, Japan
Established	April, 2012
Company CEO	Takeshi Yagi
Employees	25000+
Annual Sales	158.4 billion yen ≒ 1.5 billion USD
Branch Offices	127 sales offices Development Center : 27 Branches Training Facilities : 63 Locations



**TechnoPro Holdings, Inc.
Head Office**

TechnoPro Overview : Established in June 1997

Competitive Edge

- ✓ Listed on Tokyo Stock Exchange: **Market Cap of JPY 398.04 Billion**
- ✓ **Aim : Global Expansion** through **Organic and M&A Route**

Market Leader

- **Market Leader with** 8% Market share in **Professional Services (Specialized Engineers)** in Japan
- Comprehensive Engineering Consulting footprint in Japan

Diversified Client Base

- Over **2,200 clients** among well-diversified industries with Long Term Strategic relationships
- Top 10 Customers account for **13%** of total Sales; One of the best **Customer Diversification** in the Industry

#1 Engineer Base with Best Recruiting Team

- Wide range of Technology offerings with over **25,000 engineers**
- Strong capability to recruit new engineers (nearly **4,300 new hires**)

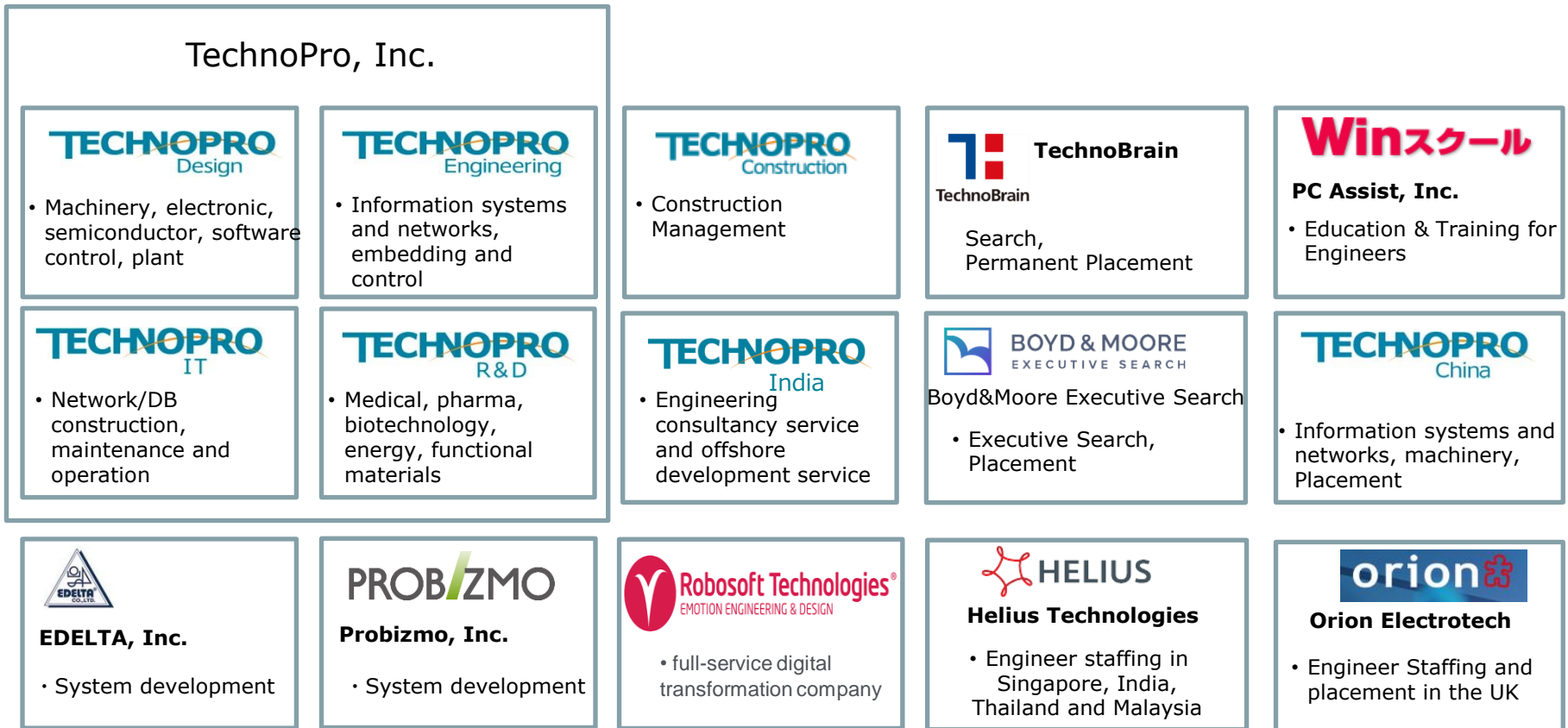
Management Capability Mitigates Bench Risk

- Over **95% Resource Utilization** by Robust & Structured management system – (All Engineers are engaged as full-time employee)
- Established **Training & Educational capability** to improve engineer quality

TechnoPro Group

■ Group Companies

TechnoPro Group got its start as a collection of multiple companies that work together while engaging in appropriate competition. We have a culture of growing through cooperation and in-house competition.



TechnoPro Group

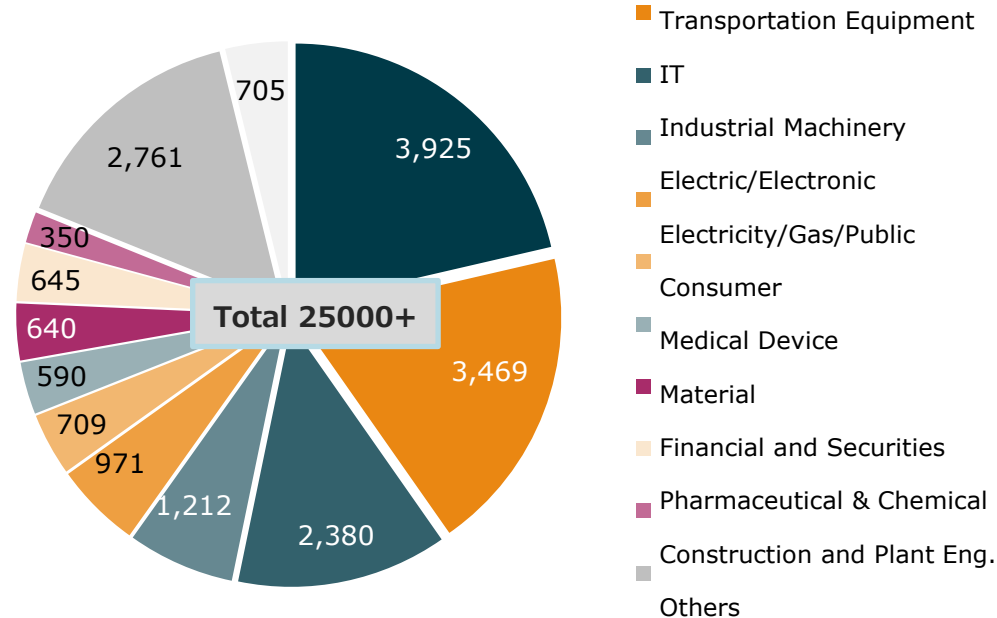
■ Global Network

TechnoPro is driving growth towards becoming a global human resource services company with technology at its core. Having Boyd & Moore Executive Search (BMES) in July 2017, and Helius Technologies in March 2018, Orion in October 2018 in our Group, the Group's operations is extending beyond China and into Singapore, India, Thailand, Malaysia, and UK.



TechnoPro Global Customer Base

Serving through 25 Years of different Industry



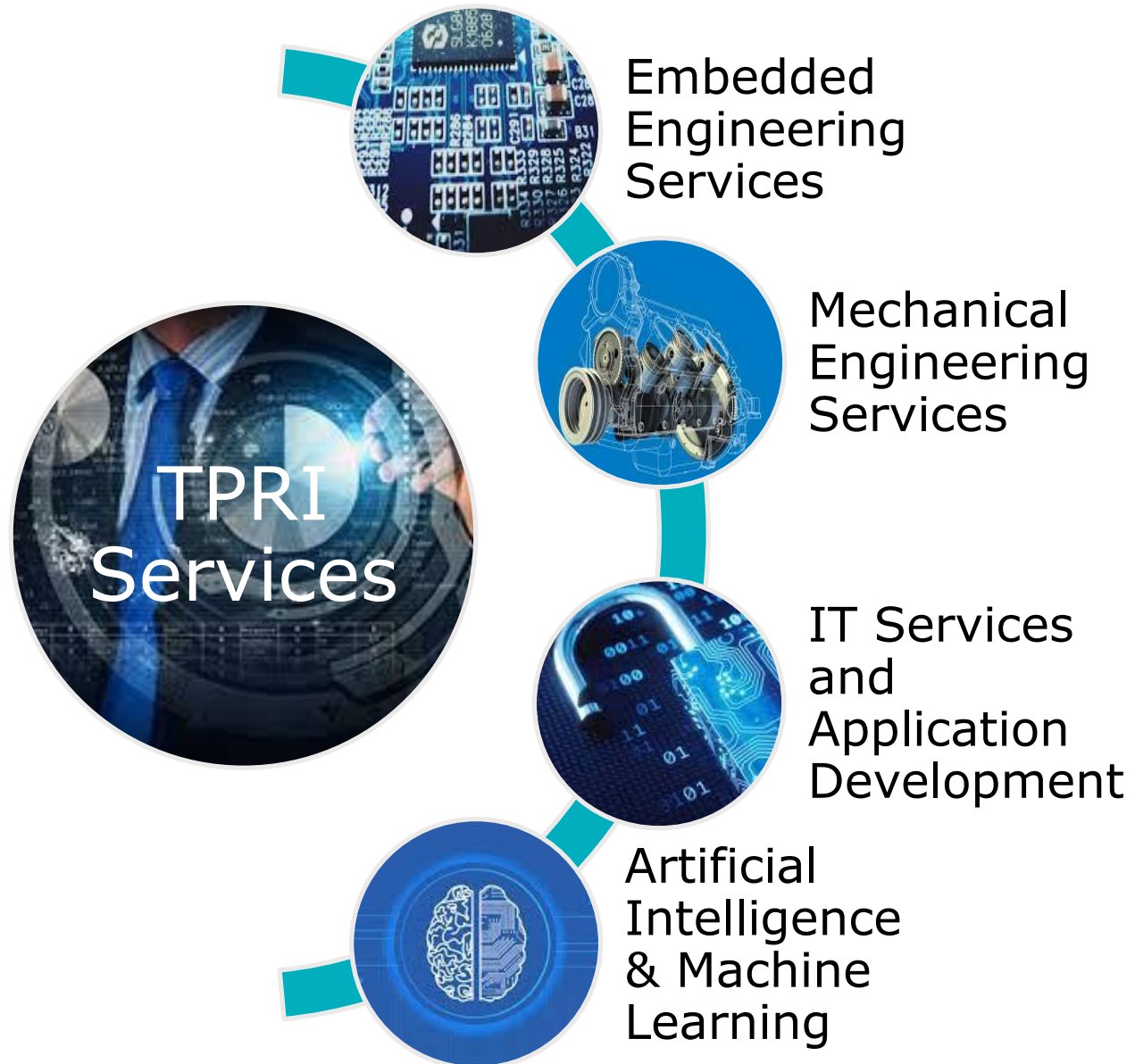
- # of clients is over **2,200** as of June 2022.
- Top 10 clients accounts for **13%** of total sales.

TechnoPro India Customer(s):

Trusted and Diversified Customers across Various Industry Sector

Transportation	IT	Telecom	Machinery	Electronic	Pharma And Chemical	Construction
 	 	 <small>Designing The Future</small> 	 	 	 	

Introduction of Services



Service Offerings

Embedded Engineering Services

Electric Mobility

- BMS
- Motor Controller
- DC/DC Converter

Model Based Development

Model Based Testing

Mechanical Engineering Services

New Technology Development

Product development for Automotive

Sustaining & Manufacturing Engineering for Automotive

IT Services and Application Development

Application Development & Maintenance

Rapid Control Prototyping

TAAS (Testing as a Service)

VAPT(Vulnerability and Penetration Testing)

Artificial Intelligence & Machine Learning

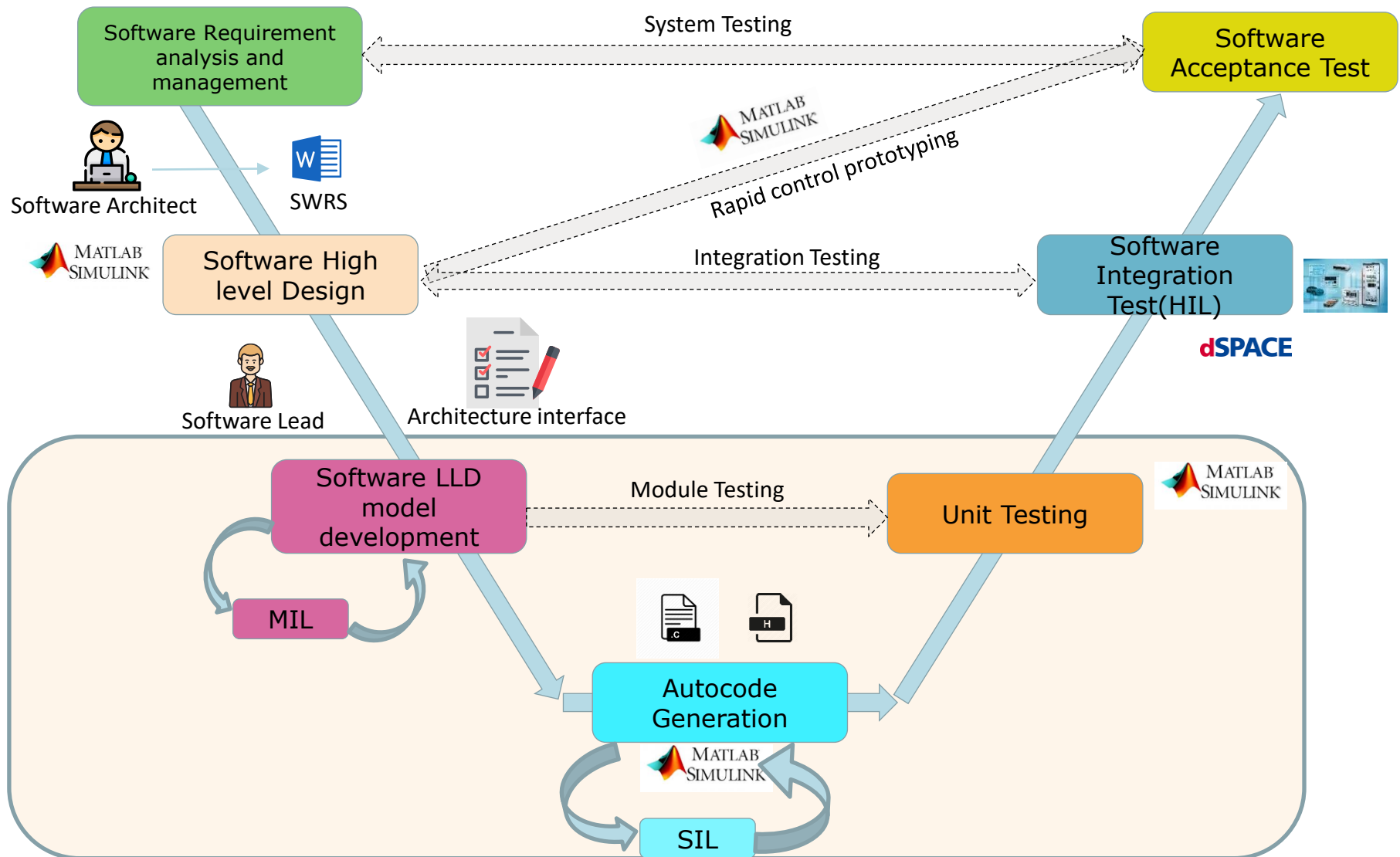
Data Preparation: Collection and Cleansing

Signal and Image Processing

Feature Engineering & Annotation

Data Modeling & Optimization

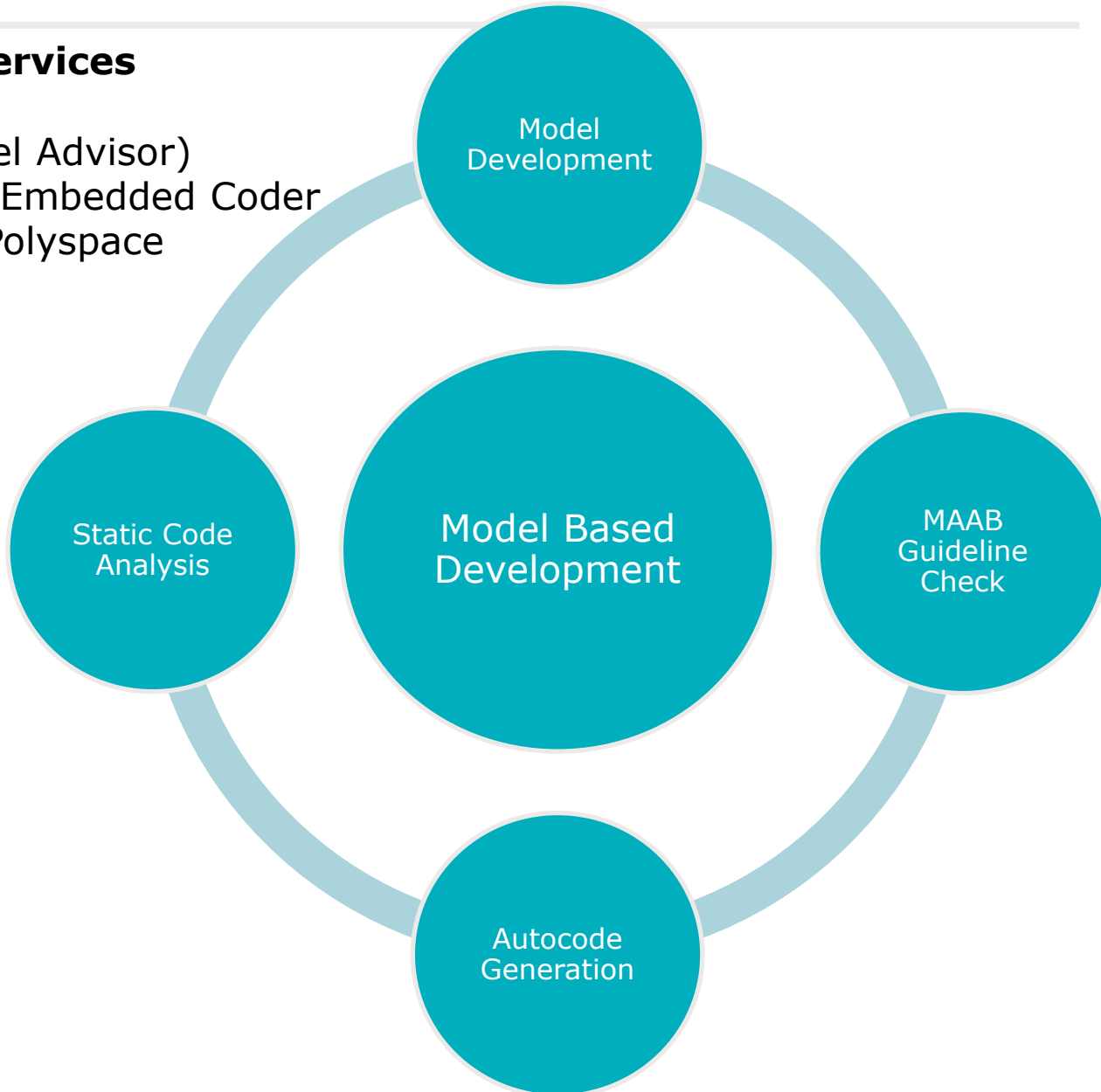
Software Development Process: V-model



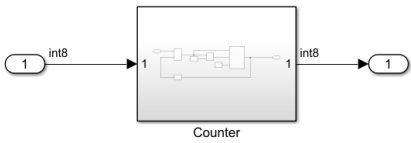
Model Based Development Services

Model Based Development Services

- Model Development
- MAAB Guideline Check(Model Advisor)
- AutoCode Generation using Embedded Coder
- Static Code Analysis using Polyspace

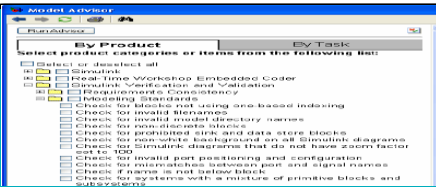


Model Based Development Services



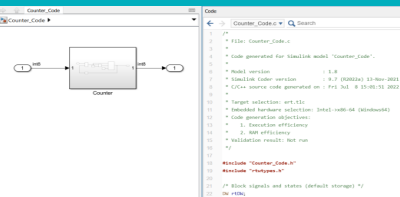
Model Development Services

- Customer Input Analysis
- All the supporting documents
- Start Model Development



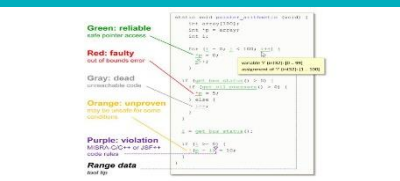
MAB Guideline Check Services

- MAB Guideline Check
- MAB Guideline Report



Autocode Generation Services

- Model files as input for Autocode Generation
- Autocode Generation using Embedded Coder



Static Code Analysis Services

- Static Code Analysis using Polyspace
- Polyspace Reports

Model Based Testing Services

Model Based Testing Services

- Requirement Based Testing
- Automatic Test Case Generation
- Model-In-Loop(MIL) Testing
- Software-In-Loop(SIL)Testing

Software-In-Loop(SIL)Testing

- Check the Behavior of MIL vs SIL, If any differences.
- Validating the Code against Test cases(functional and Coverage Testing).

Model-In-Loop(MIL) Testing

- Checking the Model Behavior with software Requirement.
- Validating the Model against Test cases(functional and Coverage Testing).

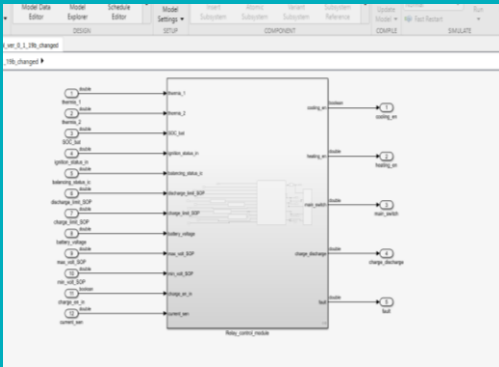
Requirement Based Testing on Simulink Model

- The Requirement Based testing is similar to functional testing.
- Writing the functional test cases based on the Requirement provided by the customer.
- Software Requirement Documents are inputs to write the Test cases.

Automatic Test Case Generation

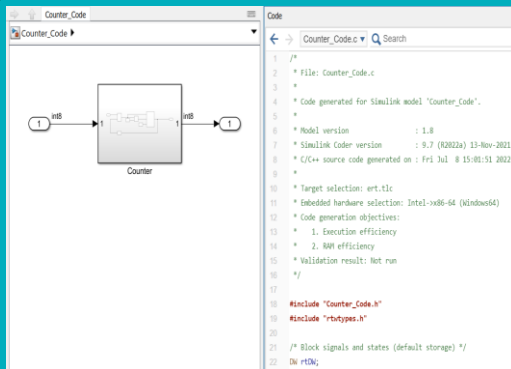
- Automatically generating the test cases based on model and Supporting files using the Reactis Tools.
- After Test cases are generated and export .CSV file to write additional test cases to cover 100% MCDC Coverage.

Model Based Testing Services



Model-In-Loop(MIL) Testing

- Check all the inputs for MIL Testing
- Develop test cases for MIL Testing
- Checking the Model Behavior with software Requirement
- Validating the Model against Test cases

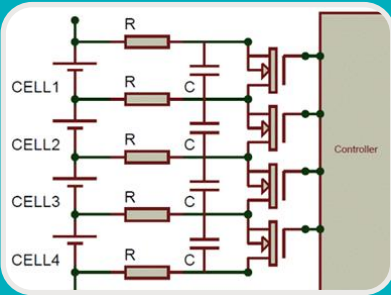


Software-In-Loop(SIL) Testing

- Reuse the test cases from MIL to SIL Testing
- Check the Behavior of MIL vs SIL, If any differences
- Validating the Code against Test cases

Battery Management System (BMS) Services

Algorithm Development



- Requirements gathering and system design Development.
- Model Based Development in MATLAB/Simulink/Stateflow.
- MAAB Guideline Check
- Auto code Generation using Embedded Coder
- Static Code Analysis using Polyspace
- Custom Stack Development.

Algorithm Testing



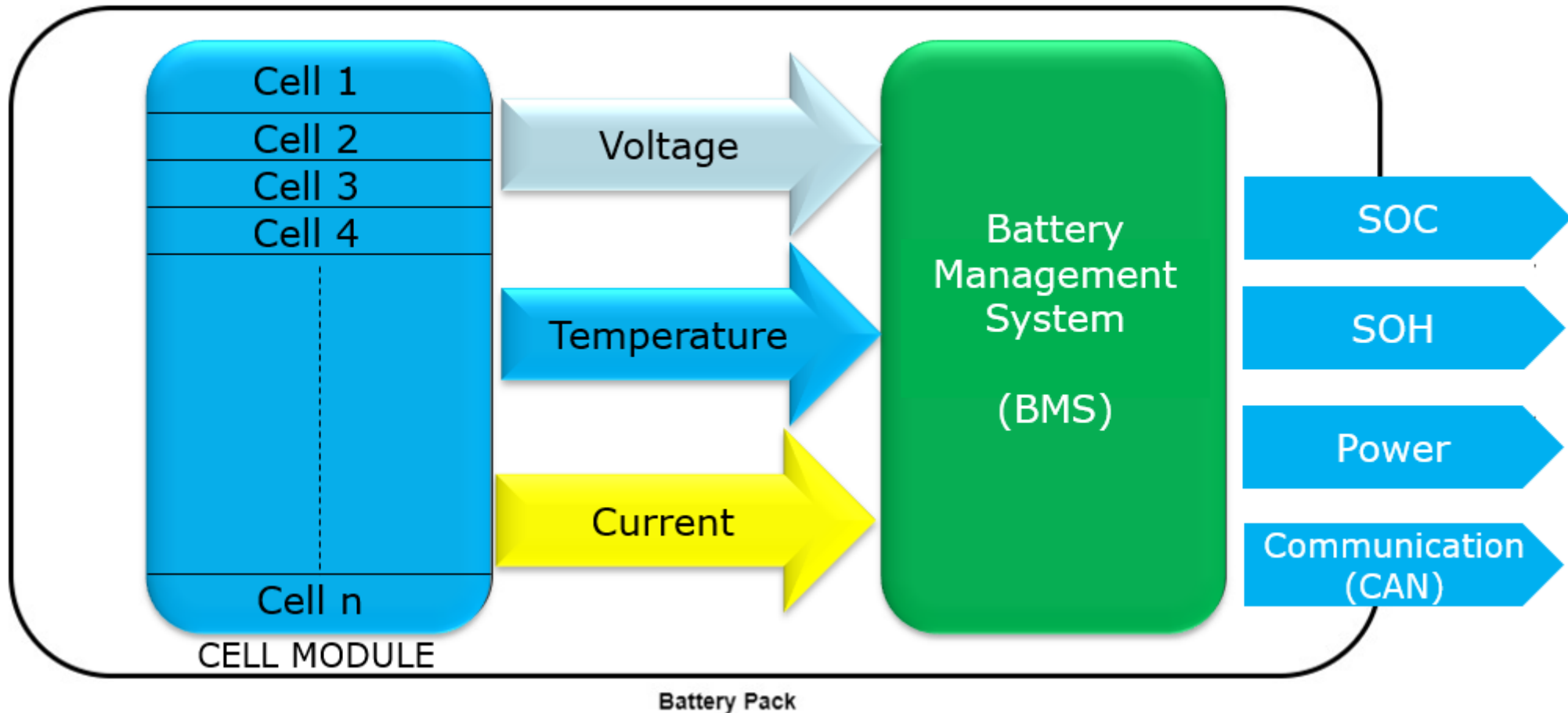
- Automatic Test case generation or Manual Test case writing
- For Coverage and Functional Testing
- Model In Loop (MIL) Testing and Software In Loop (SIL) testing
- Customer's algorithm testing

Embedded Engineering: BMS



- System architecture Design
- Software architecture Design
- Software Requirement Document Design.

Reference Block Diagram of BMS



TECHNOPRO



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