

Project Resource Management Application

A complete solution for your business!

The Client

The **Automation Technology Centre** designs and makes automated manufacturing equipment for new and existing manufacturing processes for its sister manufacturing sites globally.

Project Details



- Custom Software Development
- September 2021 - January 2022

Project Tech Stack

Developed using

- ASP.Net
- React.js.
- SQL Server database

THE CHALLENGE



The client encountered significant challenges, including a lack of visibility and efficient tracking of project and resource performance, along with cumbersome, manual processes for project management and reporting.

CHALLENGES TO BE RESOLVED



- Project onboarding/approval, planning & control was completed using a set of spreadsheets and manual updating on a shared folder, leading to a lack of visibility, duplication, and wasted effort in management.
- Too many resources were being consumed in creating weekly reports from external systems, causing significant difficulty at an organisational level.
- Project resources, allocation, timesheets, and planning for projects were very manual, leading to overloading or underutilisation of engineering resources.
- Upwards reporting was manual, time-consuming, static, and PowerPoint-based, offering limited visibility of real-time project, timeline & resource activity.

CLIENT FEEDBACK



“ResourceVue substantially reduces administrative time for the engineering team in recording weekly project hours. Additionally, it enhances project forecasting, resource allocation, and tracking of resource utilization. With real-time budget updates, the solution emphasizes end-user focus on key performance indicators (KPIs). Following a recent lean assessment, it streamlines administration compared to traditional methods like MS Excel or SharePoint, resulting in an 80% reduction in resource planning time across all projects.”



Software



www.macmarts.com



Innovation House, Lonsdale Rd,
Castletroy, Limerick

Project Resource Management Application

A complete solution for your business!

SOLUTIONS DELIVERED



1

Project Onboarding & Internal Approval Management

Efficiently initiates and seamlessly manages project onboarding and internal approvals.

2

Resource Allocation

Strategically allocates engineers to projects based on capacity, ensuring optimal resource utilization.

3

Workload Balancing

Balances workloads among team members, preventing both overloading and underutilization of staff.

4

Project Planning

ResourceVue Enhances project planning by providing visibility into resource availability, aiding teams in setting timelines and deadlines effectively.

5

Budget Management

ResourceVue Manages resource costs and allocates budgets to ensure projects stay within budget constraints.

6

Resource Forecasting

Enables teams to forecast future resource needs for proactive planning.

7

Collaboration

Promotes communication and collaboration among team members through a centralized platform for resource management.

8

Reporting

Empowers users with reporting capabilities to track and analyze project resource planning and forecasting, including planned versus actual hours, resource allocation, and project progress.



Software



www.macmarts.com



Innovation House, Lonsdale Rd,
Castletroy, Limerick

Project Resource Heatmap

Resources	Projects	March			April		
		01 st - 07 th	08 th - 14 th	15 th - 21 st	22 nd - 28 th	29 th - 05 th	06 th - 12 th
Charlie Browne	3 Project(s)	4	0	0	5	4	2
Louis Delaney	1 Project(s)	6	0	8	10	6	3
Ryan Breathna...	2 Project(s)	3	4	6	8	5	8
Martin O'Neill	3 Project(s)	4	10	0	10	14	8
Keith Doran	1 Project(s)	6	10	5	1	8	4
Denis O'Brien	2 Project(s)	3	9	8	10	3	2
Tony Huxley	1 Project(s)	18	5	0	1	8	5
Aidan Murphy	1 Project(s)	0	0	0	0	0	8
Teague McDon...	2 Project(s)	0	9	0	0	0	8
Jack O'Sullivan	2 Project(s)	15	15	0	2	0	5
Michael Quinn	3 Project(s)	0	8	0	0	0	0
Aidan Mahoney	1 Project(s)	40	40	40	40	40	40
Ciana O'Connor	1 Project(s)	0	8	8	3	6	6
Maura McDer...	2 Project(s)	7	6	6	9	2	19
Pen Tester	1 Project(s)	1	9	18	9	0	8

Project Tracking Filter:

Segment:

Select Segment (All)

Projects Health



Off Track



At Risk



On Track

77.78%

3.7%

18.52%

Top 5 Projects Based On Hours

MM - Odyssey

890

MM11 - Gemini

598

MM3 - Sienna

432

MM1 - Titan

165

MM8 - Alpha

160