

# LIONEL

CONSTRUCTION LAYOUT



## Faster and Better Layout

# CONTENTS

	<b>What is Lionel</b>	<b>1</b>
	<b>How Lionel works</b>	<b>2</b>
	<b>Why use Lionel for layout</b>	<b>3</b>
	<b>Benefits</b>	<b>4</b>
	<b>Scheduling Estimates</b>	<b>5</b>
	<b>Safe and Tough</b>	<b>6</b>
	<b>FAQ</b>	<b>7</b>
	<b>Contact</b>	<b>8</b>



# What is Lionel

Lionel is a robot that marks construction layout

Upload your CAD plans to Lionel and he will move around your site to marks points right on target



**Trial of Lionel the Layout Robot**



**Helm** AUGUST ROBOTICS

 Click to view our Lionel Construction Layout playlist on YouTube



Or scan the QR code

## Quick Facts

**Fast****Affordable****Precise****Simple**

**10x faster**  
than hand marking

**At \$0.35 per sqft**  
Lionel is for everyone

**1/16" accuracy**  
for each mark

**No total stations**  
or extra gear needed

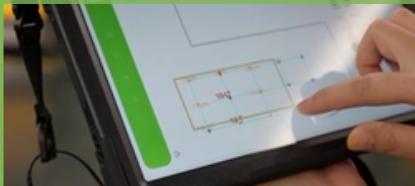


# How Lionel works

Lionel marks your layout in just 3 easy steps

No extra equipment or total stations are needed

## STEP 1: Upload plans



Upload your CAD plans (.dwg or .dxf) to our portal

We will convert your plan to the markings you need

## STEP 2: Set up gear



Once we arrive on site we need 30minutes to set up our equipment

## STEP 3: Press run



Lionel moves around the site and marks layout

We can use several Lionel robots to mark faster

## Create any mark you need

- Drywall track
- Hangar points
- MEP symbols
- Control points



## Reliable and consistent accuracy

Each mark has 1/16" accuracy and each mark is checked and logged for your review



# Why use Lionel for layout

Lionel is faster and more accurate than manual marking

Save your knees and leave layout marking to Lionel!

## The OLD way

### Sore backs and knees



Marking layout by hand increases the risk of injuries and fatigue

### Imprecise marking positions



Mistakes in layout will result in rework and schedule blowouts

### Holds up everyone



Manual marking is slow and stops other trades from operating on site

## The BETTER way

### Just press run



Lionel removes injury risk and lets your crew focus on what counts

### Crisp and accurate marks



Clear and reliable marks keep jobs on schedule and remove doubts

### Schedule friendly



Mark layout for every trade at the same time and even mark overnight!



# Benefits

Faster and better layout keeps jobs ahead of schedule

Lionel reduces risk and improves margins - here's how:

## Stay ahead of schedule



Lionel construction layout frees-up hours of extra time on every job! See the next page for estimates

## Stop costly mistakes



Lionel's accurate markings prevent rework caused by human error and compounding measurement mistakes

## Multi-trade made easy



Lionel marks control points, drywall and MEP layout with different colors and symbols for multi-trade workflow

## Improved wellbeing



Remove the stress and fatigue from hand marking layout which may lead to serious injuries and accidents



# Scheduling estimates

Lionel marks **20,000 sqft / day**

Use this table to estimate the time savings  
of Lionel construction layout on your next job

2 or more Lionels can be run  
for even bigger time savings

Manual Marking*	1x Lionel	2x Lionel
<b>4,000 sqft</b> (372 sqm)	<b>8 h</b>	<b>1.6 h</b> <b>(saves +6.2 h)</b>
<b>6,000 sqft</b> (557 sqm)	<b>10 h</b>	<b>2.4 h</b> <b>(saves +7.6 h)</b>
<b>8,000 sqft</b> (743 sqm)	<b>12 h</b>	<b>3.2 h</b> <b>(saves +8.8 h)</b>
<b>10,000 sqft</b> (929 sqm)	<b>14 h</b>	<b>4.0 h</b> <b>(saves +10 h)</b>
<b>15,000 sqft</b> (1,394 sqm)	<b>21 h</b>	<b>6.0 h</b> <b>(saves +15 h)</b>
<b>20,000 sqft</b> (1,858 sqm)	<b>28 h</b>	<b>8.0 h</b> <b>(saves +20 h)</b>

\*Assuming 2 person marking team can mark 4,000 sqft (300marks) per day



# Safe and Tough

Lionel works safely around people and equipment

Lionel's no wimp either and handles rougher site conditions like a pro

## Sensors everywhere



Lionel can detect people and equipment around it

It stops and moves safely around any obstacle

## Flawless safety record



In 7 years of operation Lionel has not been in a single safety incident

## Certified safety



Lionel is FCC and CE certified meaning it is completely safe around people and equipment

## Ready for the toughest sites

Lionel is built tough enough to handle dust and its sensors can handle direct sunlight, wind and rough site conditions

Lionel doesn't need a perfectly clean site to operate as its 2cm ground clearance and durable wheels let it drive over bolts, cables and debris





## FAQ

Got questions?

Here are answers to the most common questions we get asked about Lionel

**Q** **What layout can Lionel mark?**

**A** Lionel can be programmed to paint any layout mark including drywall tracks, hangar points, MEP symbols, control points, labels and anything else you need

**Q** **How does Lionel work?**

**A** You send us your CAD plans and we'll turn them into a marking plan for Lionel

Our team arrives on your site and uses Lionel to mark your required layout precisely where you need it

**Q** **What paint is used for the layout marks?**

**A** We have a range of paint options from temporary “liquid chalk” to permanent paint and in an unlimited range of colors - perfect for multi-trade layout marking



# Contact

Want to learn more or book a demo?

Click the button below to fill in our contact form  
You can also email our team or contact them on LinkedIn



Click to fill our contact form  
We will get in touch quickly



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