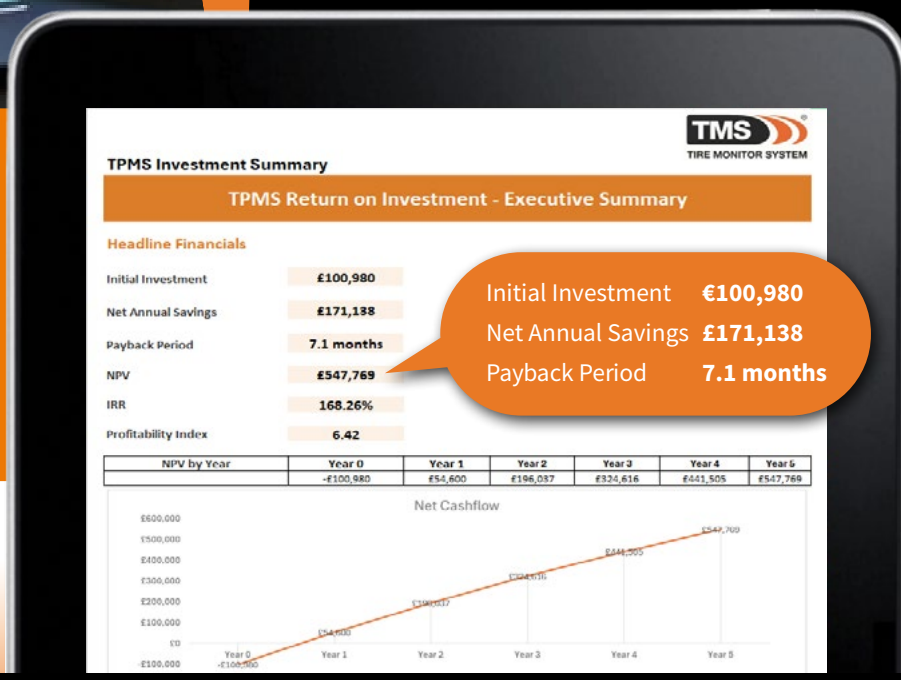
TMS®
TIRE MONITOR SYSTEM






# Return on Investment Calculator

**Realistic estimates from your own operating data**




## BOOK YOUR FREE ROI ANALYSIS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## Site specific

The calculator uses data from your own site and applications to build an estimate unique to your operation

## Accurate

Real numbers, not rules of thumb. Known operating metrics from your site make the final analysis much more accurate

## Multiple scenarios

Run different scenarios to improve investment confidence and clearly map out how to improve profitability. The TMS® analysis breaks down your initial investment, annual running costs, and cumulative cash flow, and for many operations, the system will often pay for itself well within the first year.

**Calculations**

TMS TIRE MONITOR SYSTEM

| | Rigid Dump Truck | Wheel Loader | Artic Dump Truck |
|---|---|---|---|
| **Fleet details** | | | |
| Vehicle Type | | | |
| Vehicle make and model | Komatsu HD785 | Epiroc MT-42 | Epiroc ST-14 |
| Quantity of vehicles | 40 | 40 | 26 |
| Tires per vehicle | 6 | 4 | 4 |
| Total tires in fleet | 240 | 160 | 104 |
| Tire hours per year | 1,224,000 | 979,200 | 459,680 |
| Typical tire spend per year | £2,893,091 | £2,611,200 | £1,379,040 |
| Typical fuel spend per year | £15,065,400 | £7,925,400 | £2,654,652 |
| **Tire details** | | | |
| Total tire failures per year | 160.0 | 160.0 | 104.0 |
| Pressure related tire failures per year | 32.0 | 32.0 | 20.8 |
| Cost of pressure related failures per year | £208,000 | £64,000 | £43,680 |
| Cost of downtime related to pressure failures | £35,200 | £32,000 | £20,800 |
| Manual inspection costs | £6,800 | £6,800 | £4,420 |
| **Annual savings** | | | |
| Savings on tire wear | £56,727 | £51,200 | £27,040 |
| Savings of pressure failures | £72,800 | £22,400 | £15,288 |
| Savings on downtime | £12,320 | £11,200 | £7,280 |
| Savings on manual inspection cost | £3,400 | £3,400 | £2,210 |
| Savings on fuel usage | £75,327 | £39,627 | £13,273 |
| **Total savings before TPMS costs** | **£220,574** | **£127,827** | **£65,091** |
| **TPMS costs per vehicle** | | | |
| Hardware costs | £2,592 | £1,530 | £1,530 |
| Annual running costs | £886 | £330 | £330 |

# Review FIVE streams of cost savings

**The Calculator puts a value on savings in FIVE critical areas:**

- Extended OTR tire life
- Fewer tire related incidents, avoiding loss of tires
- Reduction in unplanned production downtime
- Lower fuel consumption
- Less time spent on manual pressure checks

## Whole fleets

Can extend to large fleets with different vehicle makes and models



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