

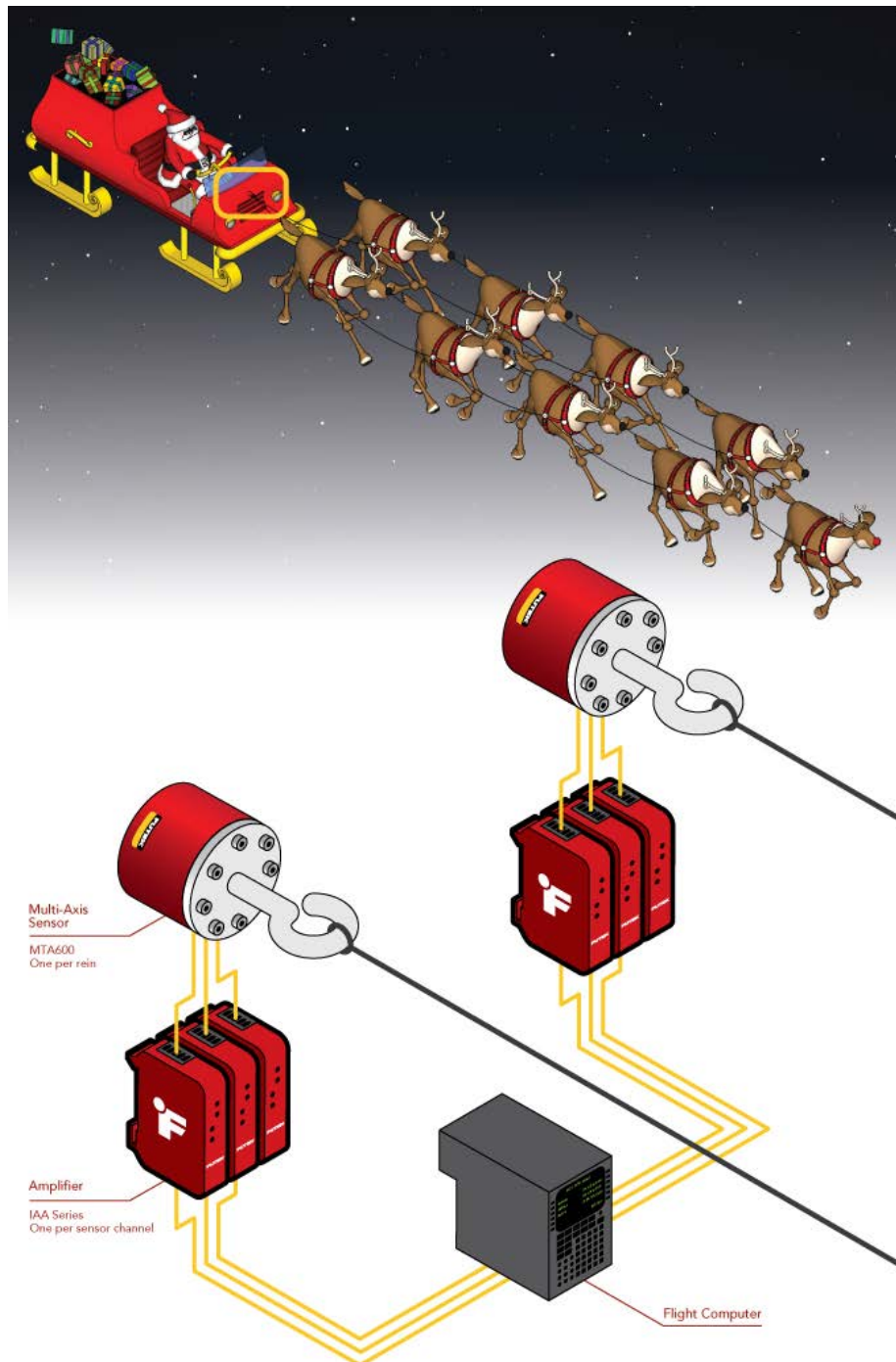


应用概述

现在是 12 月 24 日，圣诞老人在这个忙碌的夜晚给世界 13 亿的孩子送礼物。为了满足他的递送时间，圣诞老人依靠高精度 GPS 导航和自动驾驶系统来减少旅行时间。负载反馈是必要的，用来确认控制输入并监测驯鹿的健康(即使是神奇的飞驯鹿也会疲劳)。为了监测驯鹿，在它们的马具上安装了一对 FUTEK 三轴测力传感器。

使用产品

2 个 MTA600 三轴测力传感器，搭配 IAA 系列放大器。



多轴传感器

Sensor Solution Source

Load · Torque · Pressure · Multi Axis · Calibration · Instruments · Software

www.omgl.com.cn | sales@omgl.com.cn



U.S. Manufacturer



使用说明

1. Each reindeer line's harnesses are each attached to a machined adapter mounted to a FUTEK MTA600 load cell.
2. Dasher, Prancer, Comet and Donner are linked to the right hand side tri-axial load cell, while Dancer, Vixen, Cupid, and Blitzen are attached to the left hand side tri-axial load cell. Rudolph, of course, leads the pack and is linked to both lines.
3. In flight, as the reigns pull on the reindeer's harnesses, the load cells measure the thrust forces they generate in response on all three axes.
4. The signal generated by the load cells is amplified and sent to the Sleigh Autopilot Navigation Travel Automation (SANTA) System.
5. The SANTA system controls the reigns, makes course corrections and monitors the reindeer's health as the sleigh travels across the sky bringing presents to all the boys and girls of the world.



MTA600

三轴力传感器

IAA 系列

应变式放大器