

Sensor Technology Introduction

NOV.26, 2021

MovellaTM Bringing meaning to movement



Company Overview

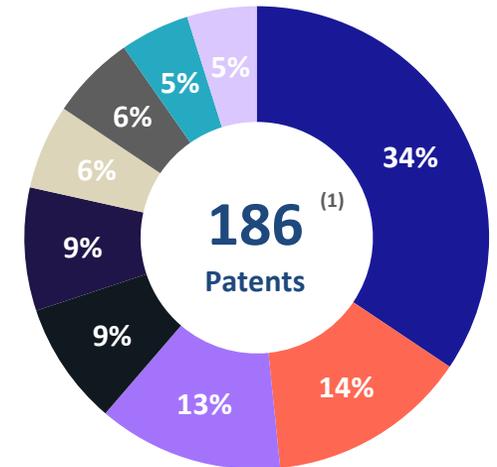
Overview

- Founded in 2009
- Full-Stack Motion Solutions
- Flywheel Effect across Hardware, Software, and Data
- Headquarters in San Jose, CA
- Acquired Xsens in 2017, Kinduct in 2020
- The “Gold Standard” for Human Body Motion Capture

Geographical Reach



Patents



Markets



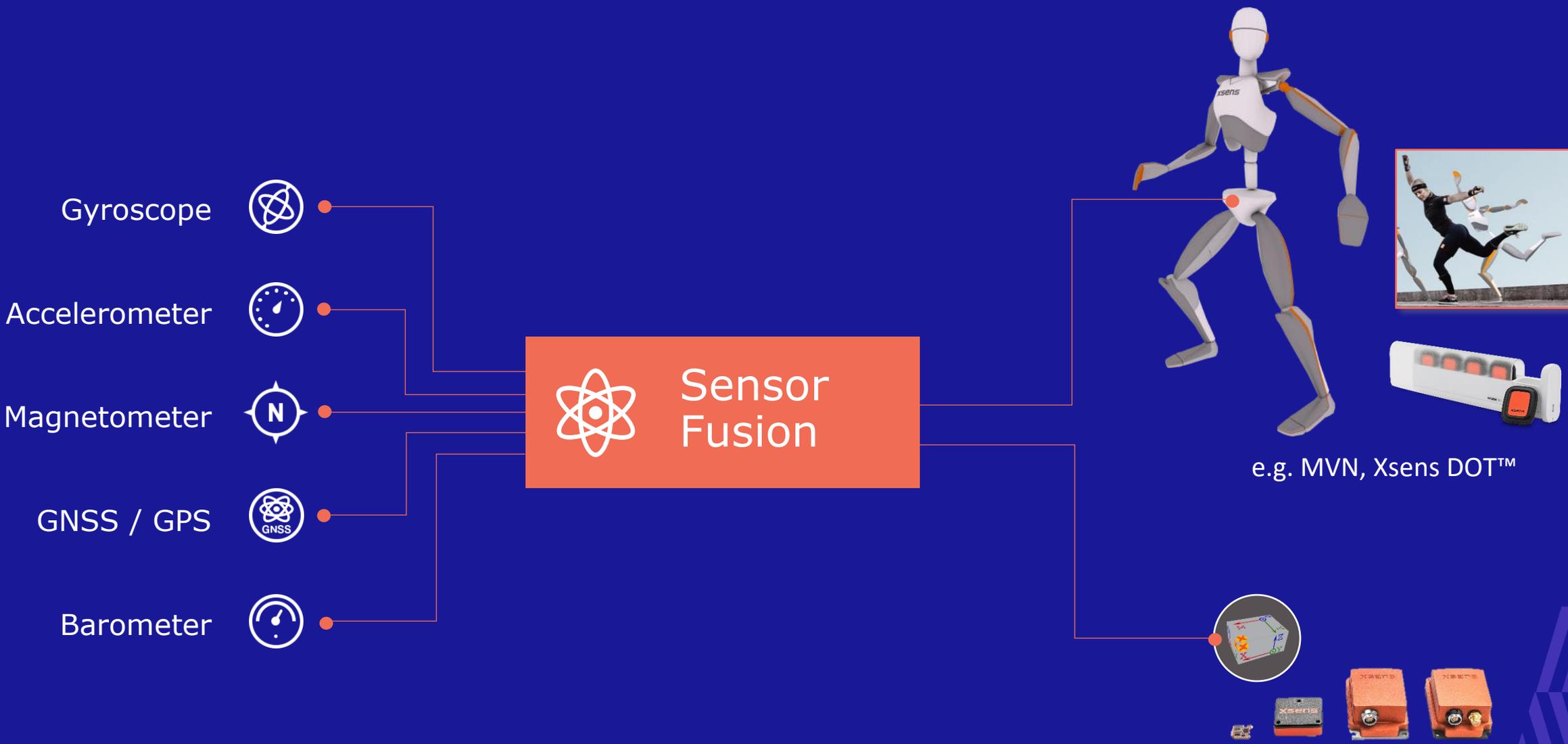
Movella™

XSENS™

KINDUCT™

- 3D MEMS/IC Architecture & design
- Motion Signal Process
- Software
- Test & Packaging
- Systems & Applications
- Human Motion Tracking
- CMOS / MEMS Process / Technology
- IC Architecture & Circuits
- Magnetics & process

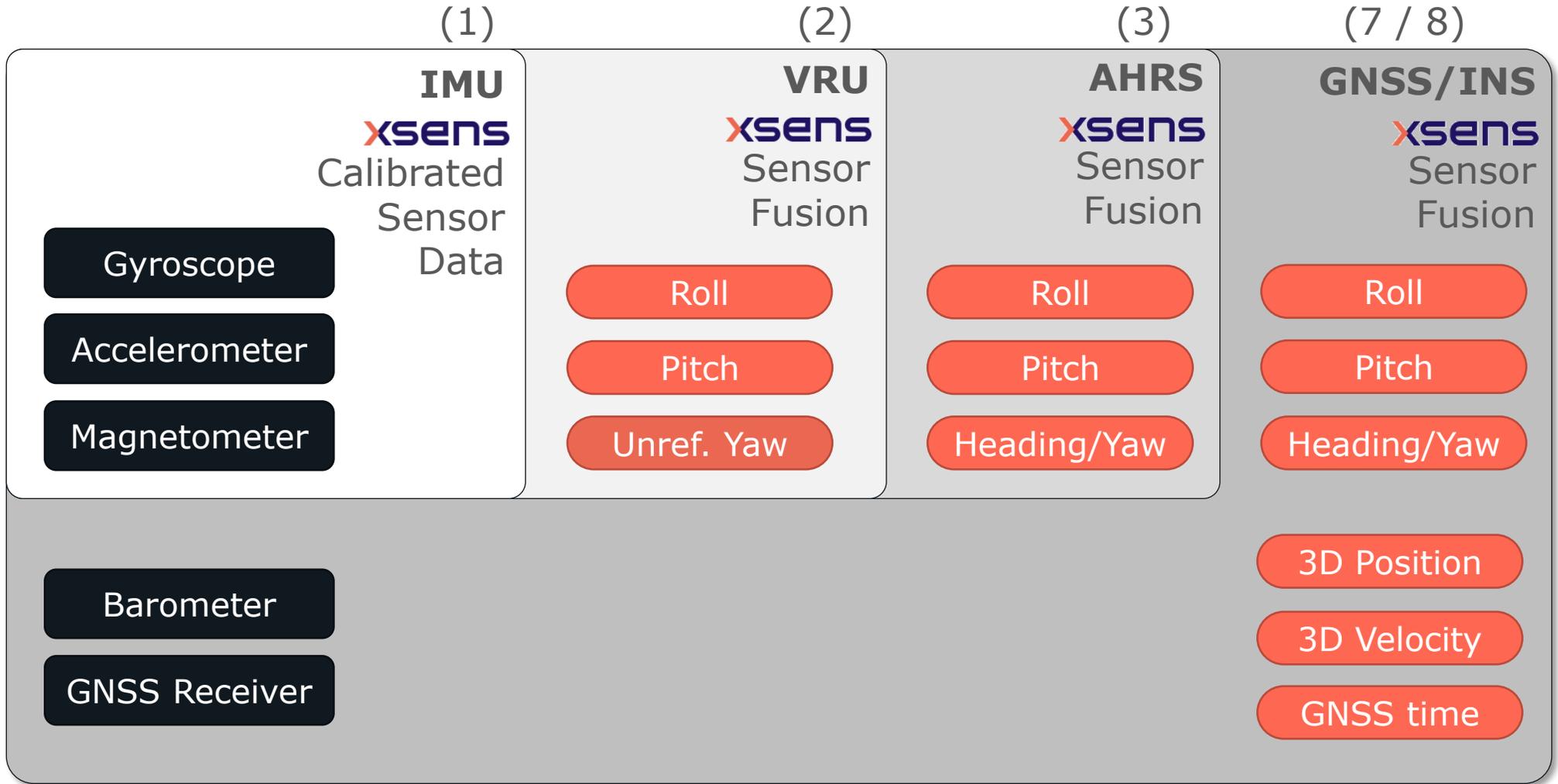
Strong IP Portfolio



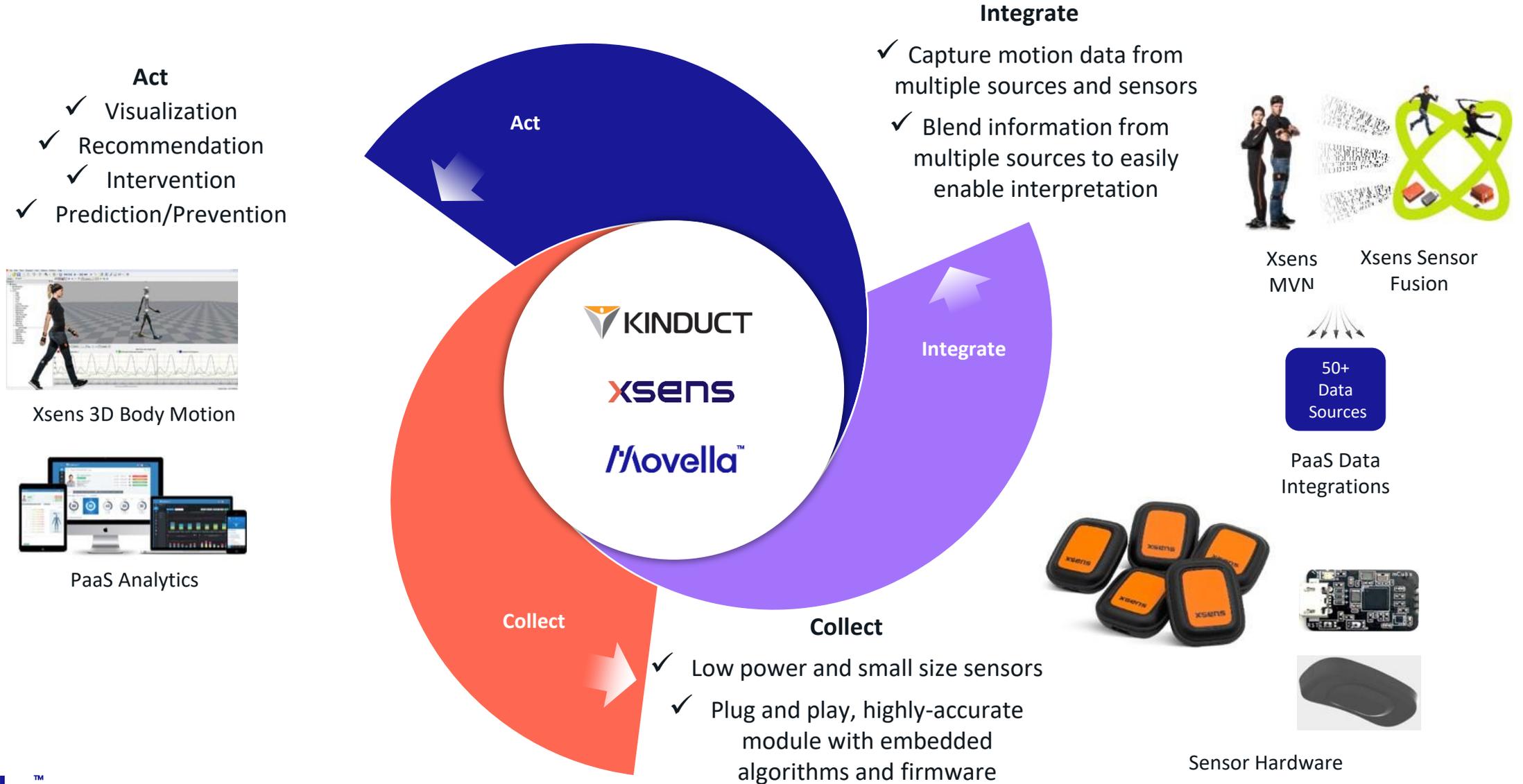
e.g. MVN, Xsens DOT™

MTi Series™: Motion Tracker – Industrial grade

Functionality: From IMU to GNSS/INS



Full Stack Offering Creates A Flywheel Effect Across Hardware, Software and Data



Platform Approach Roadmap

Software & Services

Wearable Sensor Systems

Sensor Modules



PaaS AMS

MotionCloud

Run AI



0.96" TFT



0.66" OLED



DOT



Habit+



Glove



DOT 2



DOT 3



MTi
10/100-Series
MT SS



MTi
1-Series



MTi
600-Series



MTi
680 RTK

MTi
800-Series



IoMT
Module

< 2017

2018

2019

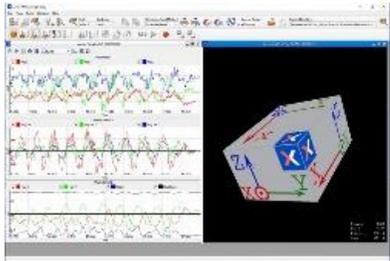
2020

2021

2022

MTi-series™ 'Line-up' 2021

- From IMU, VRU, AHRS to GNSS/INS robust data outputs
- As OEM or as plug & play modules
- 9 different interfaces
- All supported by MT Software Suite & SDK



New Release MTi-680!!
Compatible to all external GNSS/RTK receivers

MTi-Series Market Segment

- Marine
- Autonomous Vehicles & Transport
- Stabilization
- Warehousing & Logistics
- Agriculture
- Mapping & Surveying
- Aerospace & Defense/Security
- Construction / Mining
- Automotive Testing
- University & Research

Surface-&subsea USV/Buoy/ROV/AUV/Transponders
Outdoor Truck/Pods/Cars/Robots/..
VSAT/Antenna/Gimbal/Camera
Indoor AGVs/AMRs, Cranes, ..
UGVs (e.g. Tractors) / Drones / ..
Digital (LIDAR-) mapping (Drones/handheld/..)
UAV/Drone/Simulators/...
Drone/PipeCrawler/Excavators/...
(race-)Cars/Trucks



Thank You!

Movella Asia: +86 021 3167 0067
Email: [China@ Xsens.com](mailto:China@Xsens.com)

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