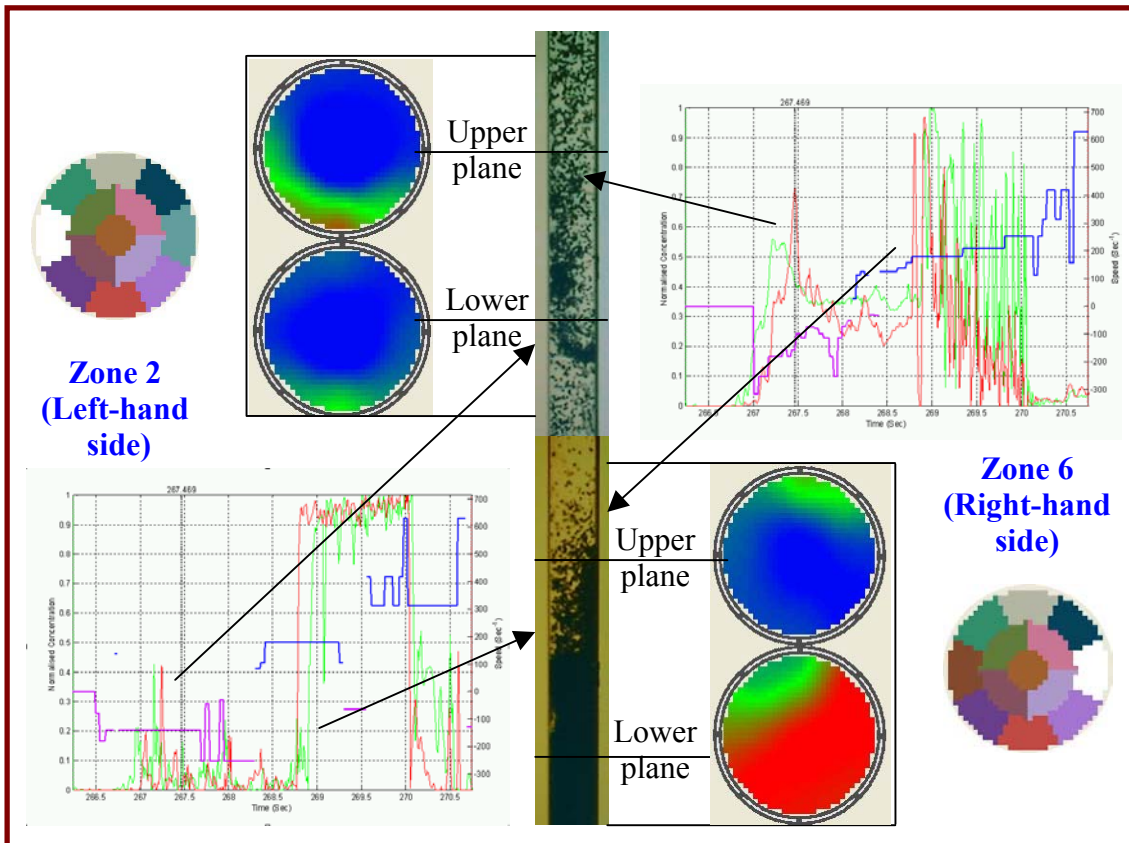


Tomoflow *Flowan**

Tomoflow Ltd is now able to offer *Flowan** - a non-intrusive multiphase flow structure analysis package based on electrical capacitance tomography (ECT). With *Flowan** you can:

- Image flows of fluid/fluid and fluid/solid mixtures,
- Measure the velocity at any point or over any zone in the flow-field,
- Investigate the details of flow structures,
- Measure the flowrate of a dispersed phase as a function of time and space,
- Measure the volume of moving structures within the section.



Example: Upward flow of plastic beads in air in a 50mm pipe at 750kg/hour. The centre image is from high-speed video. *Flowan** output includes concentration maps as circular cross sections with colour scale from red (100% solids) to blue (100% air) and graphs of concentration against time from individual zones (green line from upper plane, red line from lower). The blue line shows upward velocity and the mauve line downward. Downward 'roping' of solids is followed by upward passage of a fast 'slug'. See www.tomoflow.com for more details.

Tomoflow *Flowan** brings a new level of sophistication to multiphase flow structure research. Tomoflow Ltd can either supply *Flowan** software for use with existing PTL twin-plane ECT systems or we can provide complete multiphase flow measurement systems including:

- High-speed twin-plane capacitance measurement unit (>200 fps on two planes),
- Full on-line data capture and image re-construction software suite,
- Off-line *Flowan** software analysis package,
- Non-intrusive sensors.

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* *Flowan* is a mark of Tomoflow Ltd.